\[ \sqrt{\text{obs}^4} \]

mathematicians

Tuesday 21 November
Exhibitors from 16.00-18.30,
Maths Institute
G-Research.
Predicting The Future.

G-Research is a leading quantitative research and technology company. We apply scientific techniques to find patterns in large, noisy and real-world data sets, using the latest statistical and “big data” analysis methodologies.

Our core business is to try and beat the efficient market hypothesis with the full “big data” tool set. We also build on the latest academic research into optimisation methods, to deal with all the complexities that Markowitz ignored.

We have exceptional opportunities for PhD, Post Doc and Masters candidates interested in quantitative research.

Our culture is positive and informal, with no dress code. We offer a dynamic, flexible and stimulating environment where good ideas are prized and rewarded.

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We are delighted to welcome you to Jobs for Mathematicians - a boutique fair - which offers you the opportunity to:

- Find out about careers using maths
- Meet employers who are recruiting for roles using maths
- Compare different organisations and sectors
- Ask questions to help your decision making

Top tips

Use this booklet to plan your Fair tactics:

- Check who is attending and read their booklet entry before you speak to them.
- Plan some questions to ask: e.g. what are the pros and cons of their work? Or, what tips can they give you to increase your chances of being selected for work experience or employment?
- Be keen and attentive – first impressions count!
- Talk to as many people as you can.
- Remember to record who you spoke to and key points of your conversations.

Information for disabled students

If you need any assistance accessing the fair, let us know at the fair, or contact us beforehand on 01865 274646 or reception@careers.ox.ac.uk.
Career Options for Mathematicians

15:15 - 16:00

Erica Tyson from the Institute of Mathematics and its Applications will outline the breadth of career options that opens up for people with outstanding skills in mathematics, whether with a first degree or research training. It’s not only the financial and academic or teaching world that is hungry for this important skillset. Increasingly, commercial, government and not-for-profit sector players of all kinds are keen to employ highly numerate, analytical and creative thinkers to understand and predict trends, plan and develop strategy and deliver smarter and more efficient solutions..

Alumni, DPhils and research staff are also welcome. Dr Rachel Bray, Careers Adviser, will be available for half an hour after the event to discuss any questions that arise from Erica's talk.

Careers in Research for Mathematicians

18:00 - 18:45

This informal panel session is an opportunity for all anyone considering a post-graduate research degree to hear current researchers and academics discussing many aspects of their careers in research and what you might look forward to. As well as examining the experience of D.Phils and early career researchers, there will be insights about the application process, and life and options beyond academia in the public and commercial sectors. There will be time for questions as well.

*You do not need to book a place at these events, but please bear in mind that spaces will be allocated on a first-come, first served basis and popular events may fill early so arrive in good time.*
ABOUT US: Founded in 1999, APT is in the business of changing the way leading global companies make decisions. Using a combination of strategy consulting and in-house technology, we empower consumer-focused companies to conduct business experiments. Precise measurement of cause-and-effect relationships between trials and outcomes allows leaders to predict and maximise the ROI of high-value decisions. You will have the opportunity to work closely with senior executives, collaborate with exceptional peers, and achieve rapid career advancement. You are expected to not only have a tremendous impact in transforming our clients, but also a leading role in shaping APT’s future. APT’s client portfolio includes Walmart, Coca-Cola, Starbucks, Boots, Dixons Carphone, and many others, with the London Office supporting our client base in the UK, Europe, Middle East and Africa.

LOCATION: London

VACANCIES:
• Business Consultant - multiple openings.
• Database Analyst - multiple openings.

RECRUITMENT CRITERIA: Any discipline. We are looking for motivated and analytically-minded graduates and postgraduates who are excited by the intersection of business analytics and technology.

TRAINING: Upon joining, individuals will spend time in Washington DC for introductory training followed by additional training throughout the first year. In-depth training curriculums exist at all levels.

APPLICATION PROCESS: CV & cover letter required to www.joinapt.com/apply by 29 October 2017. We will still accept resumes following this deadline.

EMAIL: recruiting_europe@aptmail.co.uk
ABOUT US: APR provides high-quality technical solutions to clients mainly in the financial sector. These solutions take the form of short-term actuarial support to supplement client teams, across a wide range of different projects; and consulting solutions, using our expertise to address a variety of client needs in areas like data analysis, modelling and technical training services.

Supported by our highly-respected training and development programme, the majority of your APR career will be spent with clients, normally on site at their offices, working on a wide range of actuarial projects, helping our clients to meet the challenges they face, developing your own actuarial skills and providing a more varied, rewarding career than offered by many actuarial employers.

LOCATIONS: London; Scotland

VACANCIES: We are aiming to recruit 3 – 5 Graduate Actuarial Associates to supplement our growing client team, starting in September 2018. For the right candidates there may be an opportunity to start in January 2018.

INTERNSHIPS AND WORK EXPERIENCE: We run an annual Mini Actuarial Academy, an intensive, week-long course introducing interns to some key actuarial concepts, giving a flavour of the types of work in different actuarial sectors (life insurance, general insurance and pensions) and exposing you to some typical actuarial models through some hands-on model-building and exercises.

RECRUITMENT CRITERIA: Our minimum academic requirements are:
• 2:1 in any discipline
• A grades in GCSE English Language and A Level Mathematics (or equivalent)
• 340 UCAS points from top three A level results.
• Applications must demonstrate applicants’ right to work in the UK.

TRAINING: APR is well-respected for the high-quality of our training, both in the core technical areas we know are in high demand, but also in the wider skills needed to make our associates into well-rounded professionals, able to stand out and make a difference both on client projects and to our wider business.

We also provide full study support, with a much higher than average pass rate in the actuarial exams.

APPLICATION PROCESS: Applications should be in the form of CV and covering letter, submitted via our website or to grad.recruitment@aprllp.com. Deadline for applications is 15/12/17.

CONTACT FOR APPLICATIONS: Tim Nash

EMAIL: grad.recruitment@aprllp.com

PHONE: 01235 821 160
ABOUT US: Barclays is a transatlantic consumer, corporate and investment bank offering products and services across personal, corporate and investment banking, credit cards and wealth management, with a strong presence in our two home markets of the UK and the US.

With over 325 years of history and expertise in banking, Barclays operates in over 40 countries and employs approximately 85,000 people. Barclays moves, lends, invests and protects money for customers and clients worldwide.

LOCATIONS: London; England - East Midlands; England - West Midlands; England - North West; Scotland; Europe

VACANCIES: We recruit over 800 Interns and Graduates across Europe.

INTERNSHIPS AND WORK EXPERIENCE: We have a range of Graduate, Internship and Spring opportunities for those seeking careers in the following: Business Banking, Consumer Banking and Cards, Corporate Banking, Functions, Investment Banking, Markets (Sales, Trading and Research), Technology and Wealth (Private Banking and Wealth and Investments).

RECRUITMENT CRITERIA: Barclays offers a wealth of opportunities for students from all degree disciplines. All they need is a commercial outlook, curious nature, and the ambition to help Barclays become the best bank it can be.

TRAINING: Our Graduate Programme is designed to balance classroom and on the job training with support and networking opportunities available. Research shows that the balance of what we learn falls into three broad categories, known as the 70 : 20 : 10 approach, whereby:

- 70% refers to “experiential learning” (learning through experience and daily jobs)
- 20% refers to “social learning” (via feedback, networks and support)
- 10% refers to “formal learning” (classroom training or online courses)

Depending on the programme that you choose you may also be able to rotate throughout the business, experiencing different aspects of our organisation.

APPLICATION PROCESS: To start, all you need is to decide where you want to apply and register your details (no CV’s or long applications). You will then be invited to:

1. Business Insight (Stage 1 & 2)
2. Barclays Business Meeting (Final Stage)

CONTACT FOR APPLICATIONS: joinus.barclays
ABOUT US: Bloomberg harnesses the power of information for people who want to change the world. Whether they’re in business, finance, government, policy or philanthropy, we help our clients turn data into insights so they can cut through complexity to solve challenges great and small.

Engineering Jobs: You’ll build the technology that fuels the Bloomberg Professional service and changes the way our customers understand the world. You might work on pricing algorithms and risk calculations; develop mobile and web apps for people and organizations; or improve and expand our communication platforms.

Global Data: Our data analysts turn data into insights that change strategies and disrupt markets. It will be your job to keep our clients ahead of the curve. To do it, you’ll dip into every part of Bloomberg. You might end up sourcing data, processing it or setting up the technology that helps us do more with it.

LOCATION: London

VACANCIES: We have multiple opportunities in Software Engineering and Global Data for:

- Full time graduate opportunities
- Placements - 4 - 12 month duration
- Internship - 3 month duration

Information about the 2018 Software Engineer - Graduate Programme can be found at https://careers.bloomberg.com/job/detail/61273

INTERNSHIPS AND WORK EXPERIENCE:

Software Engineering:
- 2018 Software Engineer - Summer Internship: https://careers.bloomberg.com/job/detail/61276

Global Data
- Global Data Summer Internship - 2019: https://careers.bloomberg.com/job/detail/62361

RECRUITMENT CRITERIA: We welcome applications from Bachelors, Masters and PhD students. All subject areas are welcomed.

TRAINING: Every person receives a full orientation familiarising themselves with Bloomberg and our products. Engineering graduate programmes and internships include bespoke technical training to enable you to integrate into the technical environment quickly and smoothly.

Outside of this we have “Bloomberg university” a suite of courses and e-learning on all subjects from Finance to Presentation Skills, open to all employees.

APPLICATION PROCESS: All applications online via: https://www.bloomberg.com/careers

EMAIL: jwhitfield7@bloomberg.net

PHONE: 020 3525 4933
BNP Paribas

www.earlycareers.bnpparibas.com

ABOUT US: BNP Paribas Corporate & Institutional Banking (CIB) is one of the world’s leading investment banks. Part of BNP Paribas Group, a financial institution with strong foundations, we work with corporate and institutional clients to intelligently meet their capital needs.

With more than 30,000 people in 57 different countries. Together, we collaborate to deliver real results for our clients across capital markets, securities services, financing, treasury and financial advisory.

VACANCIES: Please refer to website.

INTERNSHIPS AND WORK EXPERIENCE:
GLOBAL MARKETS ROTATIONAL PROGRAMME
You will join one of our key streams: Sales, Trading, Structuring or Research. Over the course of 12 months, you’ll rotate between different asset classes within your stream. We have five different asset classes here in Global Markets: G10 rates, Equity Derivatives, Foreign Exchange Local Markets & Commodities, Primary & Credit Markets, and Prime Solutions & Financing.

The aim of these rotations is to give you maximum exposure to our different products. To further enhance your understanding of the wider Global Markets function, you’ll also do a rotation in one of the other areas such as Electronic Markets, Strategy & Risk, or Business Management.

OTHER PROGRAMMES
We offer a range of graduate programmes into business areas including Technology, Coverage, Risk, amongst others. The aim is to give you the depth of understanding needed to become a successful Analyst in your chosen specialism.

GRADUATE ASSOCIATE PROGRAMMES
Aimed at students with PhDs and advanced MSCs, these programmes offer the opportunity to become a specialist in one of two areas: Quantitative Research or Electronic Market Making & Commerce.

RECRUITMENT CRITERIA: Strong degree in any subject – although Mathematics, Finance, Economics, Science, Business, Engineering and Computer Science are the most relevant
Analytical skills and mathematical aptitude
Determination & inquisitive mindset
Collaborative

APPLICATION PROCESS: • Apply online • Psychometric tests • Screened by recruiters
• Successful applicants go through to assessment centre + same day interview • Offer/Rejection

CONTACT FOR APPLICATIONS: Jamie Packham

EMAIL: jamie.packham@uk.bnpparibas.com
ABOUT US: Hi there, we’re Brainlabs, the best large digital marketing agency in Europe! We like coffee (especially free coffee), furry animals, and jokes (even bad ones). We’re always on the hunt for remarkable grads to join us in our mission to be the best (and most successful) place to work.

We are a Scientific Digital Marketing and Technology Agency who get a kick out of using data to make revolutionary improvements to businesses.

We’re looking for the most talented and brightest graduates in the country to join us on our path to world domination. Ok ok, one step at a time. But seriously, we’re looking for motivated, hard-working, proactive individuals with an outstanding academic record and some prior work experience to boot to join us ASAP for our world-class Graduate Scheme.

LOCATION: London

VACANCIES: We have a range of roles available depending on your background, likes and dislikes.

Want to utilise both your logic and people’s skills? Account Management or Analytics may be just the role for you!

Event management and pitching your thing? We have plenty of positions in New Business! Down for software developing? Our Tech Team sounds right up your street! Got tip-top organisation skills and reckon you could rule recruitment? Our People Operations team are on the lookout!

Whatever the role for you, within our grad scheme you’ll be given a chance to gain an insight into all the delightful departments of Brainlabs - be that an introduction to coding and analytics or (arguably most importantly) how to use the coffee machine.

INTERNSHIPS AND WORK EXPERIENCE: We offer summer internships within multiple departments, keep an eye out on our website’s careers page for openings!

RECRUITMENT CRITERIA: We accept graduates from all disciplines.

APPLICATION PROCESS: Apply for roles via the following link, www.brainlabsdigital.com/careers/, all we need is your CV!

EMAIL: jess@brainlabsdigital.com
ABOUT US: Capula was established May 2005 and is headquartered in London. We are a global firm with affiliated entities in Greenwich, Connecticut; Hong Kong; Jersey and Tokyo.

Through a combination of global talent, and advanced research and technology, we seek to identify market opportunities where we perceive the firm has a competitive advantage. We manage a variety of strategies, primarily relative value trading in fixed income; equity and other index options; and tail risk hedging.

LOCATIONS: London; Channel Islands; North America; Asia

VACANCIES:
Summer Internship: 8-10
Full time: TBD but at least 2

INTERNSHIPS AND WORK EXPERIENCE: Previous relevant experience is welcome and a plus, but not indispensable. What is indispensable is a passion for learning and financial markets, and exceptional critical thinking and intellectual skills.

RECRUITMENT CRITERIA: The internships are mainly intended for undergraduates in their penultimate year of study. Graduates preparing to attend a fourth year masters’ program starting in September 2018 are also welcome to apply.

TRAINING: Both the internships and the full-time opportunities will provide successful applicants with significant on-the-job training. Internships include an extensive research project that will expand the interns ability to manipulate data, approach complex problem-solving tasks and present to intellectually sophisticated audiences.

Our entry-level program is rotations based (please refer to the website for more information).

APPLICATION PROCESS: All applications for internships or entry-level opportunities should be submitted via our Application Tracking System (ATS). This can be reached at http://fsr.cvmailuk.com/capula/, or by following the appropriate links in our careers website, https://careers.capulaglobal.com.

CONTACT FOR APPLICATIONS: Montano Nissotti

EMAIL: recruiting@capulaglobal.com

PHONE: +44 (0)207 071 0900
ABOUT US: At Citi, we’ve shaped the financial industry for over 200 years. By harnessing the power of our people – we’ll continue to move forward. Our associates’ and analysts’ unique perspectives help drive solutions to the most challenging problems and benefit the lives of so many people.

Citi offers full-time, placement and internship opportunities across a number of its business areas, including Investment Banking, Corporate Banking, Capital Markets Origination, Markets and Securities Services, Treasury and Trade Solutions (TTS), Private Bank, Risk Management, Operations and Technology. Citi also offers a week spring insight programme enabling students due to graduate in 2020 the opportunity to experience first-hand the Citi culture and environment. University students interested in this industry with drive, commitment and a passion for learning are encouraged to apply. This is the opportunity to be part of an exciting period in the development of the global financial services industry, working with the brightest minds to drive responsible, positive change within Citi and beyond.

To discover more about Citi, visit www.oncampus.citi.com

LOCATION: London

VACANCIES: On going vacancies - please visit our website.
- Deadline for Full Time Programme: 10th November
- Deadline for Summer Programme: 8th December

INTERNSHIPS AND WORK EXPERIENCE: Various roles open - Deadline for Summer Programme: 8th December

RECRUITMENT CRITERIA: At Citi, we value diverse thinking and encourage students from all degree disciplines to consider our opportunities and provide full training to new joiners. Please be aware that certain programs require specific technical skills, so please read the online job vacancies thoroughly to ensure you meet the minimum entry criteria before applying.

APPLICATION PROCESS: Once you have submitted your application, it will then be screened against our entry criteria. If you meet these criteria and the role is still available, you will be invited to take an online test. Candidates that pass the online test will enter a second screening phase (the length of this phase can vary), and shortlisted candidates will be invited to interviews. If you would like more advice on what to expect and how to excel in the recruitment process, see what our successful hires have to say at citi-emea.career-inspiration.com

EMAIL: campus.queries@citi.com
ABOUT US: Deloitte MCS Ltd is one of the UK’s leading professional services firms. As an actuary at Deloitte you may find yourself building an economic model for an investment group, helping a bank prepare for a regulatory change, advising an insurer on mergers and acquisitions, or advising on benefits for a pension scheme. No two days need ever be the same and naturally, there is plenty of opportunity to travel.

We’re looking for the brightest mathematical and programming minds out there, as our work involves not only the building of new technological solutions but also has a significant research component, often searching for the optimal mathematical approaches to our client’s problems.

Whether you want to help clients understand their numbers or use your programming ability to create the latest tools in machine learning, it is likely that we have a role perfect for you.

LOCATIONS: London; England - North West; Scotland

VACANCIES: Actuarial analyst – approximately 20.

INTERNSHIPS AND WORK EXPERIENCE: We offer actuarial internships to penultimate-year students.

RECRUITMENT CRITERIA: 2.1 in a numerate undergraduate degree. We welcome applicants with undergraduate or postgraduate degrees.

TRAINING: Analysts will be supported to qualify as a Fellow of the Institute and Faculty of Actuaries. Our study support includes:

- A study mentor to help guide you through your qualification;
- Forty study days per year to help give you time to prepare for the exams (though you are also expected to use some evenings and weekends, particularly close to an exam sitting);
- Salary increases following exam passes.

Full qualification usually takes between 3 and 6 years. Our aim is to help you qualify as an actuary as quickly as possible.

APPLICATION PROCESS: All applications need to be made online: https://jobs2.deloitte.com/uk/en/

- Please check the website for more details on the application process.
- Rolling deadline - applications close as soon as vacancies are filled.
- Early application is advised.

CONTACT FOR APPLICATIONS: Ruolin Wang

EMAIL: ruolwang@deloitte.co.uk
ABOUT US: Ensoft is one of the UK’s most successful small software companies. We write software that connects the world. Much of the Internet depends on our technology every day. The wide variety of work we undertake is based on our unique long-term relationship with Cisco Systems. Our growth to a team of about 70 engineers is based exclusively on recruiting Oxbridge graduates. The work environment is excellent.

We offer flexible working hours and a very active social life. Our success is based on the high calibre of our graduates and the dedication of our team to training and personal development throughout the company.

LOCATIONS: England - South East

VACANCIES: About 4-6 graduate software engineers, but we will always consider exceptional candidates. Graduates can look forward to a total remuneration of £40,000 rising rapidly in line with performance, plus pension and other benefits.

INTERNSHIPS AND WORK EXPERIENCE: We are planning to recruit up to 2 summer interns, so if you are looking for a challenging and rewarding summer placement and have a talent and interest for writing software, then please apply. We are also planning to participate in the University Careers Service Micro-Internship programme each term. Intern salary is £25,000 pro-rata.

RECRUITMENT CRITERIA: Any numerate discipline. The complex problems we undertake each day require a similar combination of logic and creativity that many Oxford mathematicians develop during their time at University.

TRAINING: Computer science knowledge and coding experience is very valuable, but if all you have is the right aptitude and enthusiasm, then we can train you. (Interns do need some coding experience though.) Our extensive induction course covers the industry, networking protocols, software development practices and design/programming skills. This is tailored to each individual’s needs and expertise. Thereafter, there is an ongoing mentor scheme and a two-year ‘certification’ syllabus to ensure comprehensive training. Everyone is encouraged to take responsibility early on and get involved with all aspects of our work developing into senior design or project leader roles.

APPLICATION PROCESS: Our application process for graduate and summer internships is very simple. Just send a CV to recruitment@ensoft.co.uk by midnight on Wednesday 22nd November 2017. Interviews on Friday 1st December in Oxford.

CONTACT FOR APPLICATIONS: Lynn Wilton

EMAIL: recruitment@ensoft.co.uk

PHONE: 07940 519 314
ABOUT US: The Goldman Sachs Group, Inc. is a leading global investment banking, securities and investment management firm that provides a wide range of financial services to a substantial and diversified client base that includes corporations, financial institutions, governments and individuals. Founded in 1869, the firm is headquartered in New York and maintains offices in all major financial centers around the world.

At Goldman Sachs, you will have many opportunities to make an impact. The unique perspectives that our people bring to the firm and their shared passion for working on projects of great global, economic and social significance, help drive progress and create results.


From your first day, you will be immersed in a collaborative environment with people of all levels who share the firm’s values. Nearly everyone – from our junior analysts to our most senior leaders – is actively involved in recruiting talented people from a variety of backgrounds, because we recognise that a diverse workforce enables us to serve our clients most effectively and in the most innovative ways.

The diversity of talents and educational backgrounds in our people is crucial to our performance and business success. To that end, we are committed to an environment that values diversity, promotes inclusion and encourages teamwork.

Whatever your background or area of academic study, we value the intellect, personality and integrity of an individual. While an interest in and appreciation for finance is important, one’s personal qualities are key.

LOCATIONS: London; Europe

APPLICATION PROCESS: goldmansachs.com/careers

EMAIL: jessica.offer@gs.com
ABOUT US: At G-Research we research investment ideas and also develop the research and execution platform to deploy these ideas in markets globally.

Want to be part of a leading quantitative research and technology? If so come and find us at our stall today.

We are looking for the best computer scientists to join us in our Software Engineering division where we work closely with our end-users and we use agile techniques to build the big data analytics and forecasting technology used to predict prices in highly competitive financial markets.

We are also recruiting into our Quantitative Research and Machine Learning teams where we apply scientific techniques to find patterns in large, noisy and real world data sets using the latest statistical and “big data” analysis methodologies to predict global financial markets.

LOCATION: London

VACANCIES: We have full time permanent Graduate positions in Software Engineering and Postgraduate positions available in our Quantitative Research and Machine Learning teams.

INTERNSHIPS AND WORK EXPERIENCE: We offer summer internships in both our Quantitative Research and our Software Development teams.

RECRUITMENT CRITERIA: Successful Software Engineers will be studying towards a Computer Science (or Computer Science with Maths) undergraduate degree and will preferably have completed at least one Development Internship as part of their academic career. If applying for an internship you must be in your penultimate year (expecting to graduate in 2019) and you will need to be on track for a 2:1 or a 1st.

Quantitative Researchers will ideally be in their final or penultimate year of a Masters or PhD in a highly numerable subject such as mathematics, physics, statistics, engineering or computer science. There’s no need for experience in finance, but a strong background in mathematics and an interest in applying data science, machine learning and optimisation techniques to real-world problems is a must.

APPLICATION PROCESS: Please apply online at www.gresearch.co.uk.

We do not have a deadline for applications, but as our roles get filled very quickly we would advise that you apply at your earliest convenience.

CONTACT FOR APPLICATIONS: Beth Gorman

EMAIL: graduates@gresearch.co.uk
ABOUT US: GSA is a collaboration of approximately 150 people. For over a decade we have worked together creating and applying innovative technologies to solve problems in the investment management industry. Over 60% of our staff work in research or on developing technology necessary to enable and monetise our research. We are an eclectic mix of mathematicians, scientists, programmers, economists and a great deal more. We live by the scientific method in building quantitative models that analyse and predict real world behaviour. We implement algorithms based on these models to systematically invest in markets. Our approach has won us many accolades in a sector more traditionally associated with pin-striped suits than harnessing the predictive power of big data. At GSA we reward people based on merit and excellence, not necessarily on experience. We avoid the bureaucracy of larger organisations, and keep our management structures flat. Decisions are made efficiently; changes are implemented quickly. People who work here enjoy a culture of trust, innovation and scientific rigour. We have some really creative, super-smart people here; all of whom would be embarrassed to be described that way. It’s a friendly, open place where people are motivated because they enjoy what they’re doing.

LOCATIONS: London; North America

VACANCIES: Quantitative Strategists, Software Engineers, Algorithm Developers & System Engineers.

INTERNSHIPS AND WORK EXPERIENCE: Approximately 15 internship and work placement opportunities available for this year’s intake.

RECRUITMENT CRITERIA: We are looking for talent all year round for Intern and Graduate opportunities at both our London and New York offices. Applications accepted from students of all academic levels from the following and any other closely related disciplines, including Computer Science, Engineering, Mathematics, Statistics, Physics, Economics, Empirical finance.

TRAINING: Professional Education Assistance available for graduate level hires.

APPLICATION PROCESS: CV submission to careers.campus@gsacapital.com

EMAIL: careers.campus@gsacapital.com
ABOUT US: Hampton is one of the country’s foremost independent schools. Our School community is a happy one in which to learn and teach. The Hampton Common Room is a remarkable collection of people, who are extremely supportive of one another and engender their love of learning in pupils who are bright, attentive and aspirational. Benefits enjoyed by members of our Common Room include generous salaries (significantly enhanced above maintained sector scales) and excellent CPD provision. Some subsidised accommodation in School property may also be available to new members of Staff. Those who have Hampton on their teaching CV are held in high regard and we have a notable record of acting as a springboard for those seeking promotion to middle and/or senior leadership roles, including several current HMC and GSA Heads.

LOCATION: London

VACANCIES: The Hampton Maths Department has opportunities for high-calibre graduate and postgraduate mathematicians.

INTERNSHIPS AND WORK EXPERIENCE: Work experience opportunities may be available. Please contact us for information.

RECRUITMENT CRITERIA: We welcome applications from undergraduates and postgraduates.

TRAINING: All teachers joining Hampton are fully supported via the New Staff Induction Programme which includes specific information sessions delivered on a weekly basis during the first term. Staff who are new to teaching are offered the opportunity to complete a Postgraduate Certificate in Education (PGCE) and achieve their Qualified Teacher Status (QTS) via the University of Buckingham’s training programme. NQTs are also fully supported in their induction year in a programme that meets the standards laid down by the Department for Education and the Independent Schools Teacher Induction Panel (IStip). In its 2017 report, IStip commented: “Hampton School clearly takes its responsibilities with regards to NQT induction very seriously and this is reflected in the time and effort put in by everyone.”

APPLICATION PROCESS: If you are interested in working at Hampton, please complete the teacher application form on the school website: https://hamptonschool.org.uk/contact/jobsvacancies/ or to enquire about current and future opportunities in the Maths Department please contact our HR Department: hr@hamptonschool.org.uk

EMAIL: hr@hamptonschool.org.uk

PHONE: 020 8783 4453
ABOUT US: Around the world, growth is bringing new prosperity; businesses are pioneering new trade routes; and new centres of wealth and influence are emerging. In this dynamic climate, HSBC aspires to be the world’s leading and most respected international bank and we’re looking for progressive minds to join us.

We recruit talented students and graduates who share our vision for long-term, sustainable growth that is achieved in the right way. We need forward-thinking, driven, perceptive people to help our customers realise their hopes, dreams and ambitions. This means people who are dependable, open to different ideas and cultures and enjoy being part of a team.

Our global internship and graduate programmes are designed to develop the most talented students and graduates to be the future leaders of HSBC.

LOCATION: London

VACANCIES: We offer Global Graduate Programmes in the following Global Businesses: Retail Banking and Wealth Management, Commercial Banking, Global Banking and Markets, Global Private Banking and Global Asset Management.

INTERNSHIPS AND WORK EXPERIENCE: The Summer Analyst Programme is a structured ten-week programme for candidates in the penultimate year of their university studies. Opportunities exist across Global Banking and Markets, Global Asset Management and Private Banking.

The Spring Insight Programme is a four day programme targeted at first years in April 2018. The programme offers an introduction to HSBC and in particular, Global Banking and Markets and Private Banking.

RECRUITMENT CRITERIA:
• Spring Insight Programme: Open to students from all degree disciplines, in the first year of a three-year degree or the second year of a four-year degree.
• Summer Internship Programme: Open to students in their penultimate year of study.
• Global Graduate Programmes: Open to graduates and final-year Bachelor or Masters Students.

TRAINING: All of our programmes provide training and support throughout. Our Global Graduate programmes are rotational.

APPLICATION PROCESS: Please visit www.hsbc.com/careers

EMAIL: campus.recruitment@hsbc.com
ABOUT US: The Institute of Mathematics and its Applications is the professional and learned society for mathematicians and exists to support the advancement of mathematical knowledge and its applications and to promote and enhance mathematical culture in the United Kingdom and elsewhere, for the public good.

Membership of the IMA recognises your qualifications and professional experience; establishes you in the wider mathematics community; provides post-nominal letters and offers a route to Chartered registration. Membership demonstrates a commitment to career development, promoting mathematics and maintaining professional status.

LOCATIONS: Oxfordshire; London; England - South East; England - South West; England - East of England; England - East Midlands; England - West Midlands; Yorkshire and the Humber; England - North East; England - North West

VACANCIES: As a membership organisation we do not have graduate positions directly but our corporate affiliate companies do.

The IMA has offered Teacher Training Scholarships for the last 5 years to candidates with the potential to be inspirational maths teachers and ‘flag wavers’ for maths education. Scholars starting their initial teacher training in Autumn 2018 will receive a tax free bursary of £27,500 during their training year plus a two year membership and support package.

INTERNSHIPS AND WORK EXPERIENCE: As a membership organisation we do not have internship positions directly but our corporate affiliate companies do.

RECRUITMENT CRITERIA: Undergraduates are welcome to join as Student Members or eStudents. Mathematical Sciences Graduates are eligible for Associate Membership. Full Membership requires a minimum of 3 years professional experience as well as a mathematical sciences degree.

TRAINING: We offer registration for Chartered Mathematician, Chartered Scientist or Chartered Mathematics Teacher.

APPLICATION PROCESS: Apply on line through the myIMA tab on our website. Applications can be made at anytime. The subscription period is from January to December so fees are pro-rata from when you apply.

EMAIL: membership@ima.org.uk

PHONE: 01702 356 103
ABOUT US: Jane Street is a quantitative trading firm with a unique focus on technology and collaborative problem solving. Our trading is based on our own proprietary models and on our busiest days, we engage in over a million trades.

With offices in New York, London, and Hong Kong, Jane Street is a trading firm that operates around the clock and around the globe, trading a wide range of financial products, including: ETFs, Equities, Futures, Commodities, Options, Bonds and Currencies.

Technology is at the core of how we approach trading, and we consider ourselves as much a technology company as a trading firm. We use OCaml (a statically typed functional programming language) as our primary development language.

Our key to success isn’t brand recognition, but people. Our growth comes from hiring and training amazing people and giving them the tools they need to innovate. The environment at Jane Street is open, informal, intellectual and fun. You can wear a t-shirt and jeans to the office every day, the kitchen is stocked full of complimentary food, there’s a gym and a games room onsite, and discussions are always lively. Teaching and learning are central activities at Jane Street through classes, mentoring and discussion.

LOCATIONS: London; North America; Asia

VACANCIES: Full time and internship opportunities (during summer and winter) are available in Trading, Software Development, and Research.

INTERNSHIPS AND WORK EXPERIENCE: Full time and internship opportunities (during summer and winter) are available in Trading, Software Development, and Research.

RECRUITMENT CRITERIA: Students studying Mathematics, Physics, Computer Science and other quantitative subjects are preferred. No finance experience is necessary.

APPLICATION PROCESS: Applications are open all year round. Please submit your CV online via our website. A cover letter is not required, however, you have the option to add further information about yourself in the comments section of the application.

CONTACT FOR APPLICATIONS: Sam Price

EMAIL: sprice@janestreet.com
ABOUT US: Metaswitch is the world’s leading cloud based communications software company. Our award-winning solutions power more than 1,000 worldwide service provider networks.

We design and develop commercial and open-source software solutions. We package our software into products that are redefining consumer and business communications while transforming communication networks.

LOCATIONS: London; England - East; England - West Midlands; England - North West; Scotland; Northern Ireland.

VACANCIES: We are recruiting talented and motivated graduates and post graduates from any degree discipline to join us as Engineers. You don’t need any experience – just have an interest in technology and be willing to take on big challenges!

INTERNSHIPS AND WORK EXPERIENCE: Interns are placed in one of the following business areas: Software Development and System Testing and are assigned to real life projects from day one. Training is provided on an individual basis to ensure that every intern gets the most out of their time at Metaswitch.

RECRUITMENT CRITERIA: You will have a great academic background (all A grades at A Level and a good degree in any subject), and be looking to build your career in a company full of really smart people who love solving problems and working together in a collaborative and innovative environment.

TRAINING: Your assigned mentor will set aside 20% of their time for your training in your first year. Supported by that commitment, you will have the freedom and flexibility to drive your career in the direction - and at the speed - that you choose. You won’t follow a fixed rigid program. You’ll have your own individual training plan, tailored to your specific needs and objectives.

APPLICATION PROCESS: Our application process is as simple as submitting your CV to www.metaswitch.com/careers-graduates or alternatively you can send your CV over to emma.watts@metaswitch.com

CONTACT FOR APPLICATIONS: Emma Watts

EMAIL: emma.watts@metaswitch.com

PHONE: 020 8366 1177
ABOUT US: Morgan Stanley is more than a leading financial services firm. With offices spanning 42 countries and talented, passionate people bringing excellence and integrity to everything we do, the firm is truly global. Throughout the firm’s history, diverse and talented individuals have worked together to develop our new ideas and groundbreaking financial products.

VACANCIES:
- INSTITUTIONAL SECURITIES* & INVESTMENT MANAGEMENT
  Summer Analyst, Off Cycle Programme, Industrial Placement & Spring Insight Programmes
- TECHNOLOGY, FINANCE, HUMAN RESOURCES & TREASURY
  Summer Analyst, Industrial Placement and Technology Spring Insight Programmes

Please check our website to see which divisions are open for full-time applications.

INTERNSHIPS AND WORK EXPERIENCE: Internship opportunities: We offer summer and off-cycle internships, industrial placements as well as a 1-week insight programme for first years. The duration of internships is from 10 weeks up to 12 months. Please check morganstanley.com/campus for current vacancies.

RECRUITMENT CRITERIA: We welcome applications from all degree disciplines. Please check our website for an overview of the different skills and competencies we seek by division and programme. Although we fill a lot of our graduate roles through our summer analyst class, there are always full-time positions available by division and interested candidates are advised to apply as soon as possible.

Minimum degree classification sought: 2.1 or international equivalent.

TRAINING: Please check our website for further details as this differs per role and division.

APPLICATION PROCESS: Applications must be submitted online at: morganstanley.com/campus, (CV and cover letter). You may be required to complete a set of online psychometric tests as part of your application, interviews follow the initial application process.

- INSTITUTIONAL SECURITIES* & INVESTMENT MANAGEMENT
  - Summer Analyst and Off Cycle Programme - Sunday, 19 November 2017
  - Industrial Placement - Sunday, 26 November 2017
  - Spring Insight Programme - Sunday, 10 December 2017

- TECHNOLOGY, FINANCE, HUMAN RESOURCES & TREASURY
  - Summer Analyst and Industrial Placement - Sunday, 26 November 2017
  - Technology Spring Insight Programme - Sunday, 7 January 2018

Please check our website to see which divisions are open for full-time applications.

EMAIL: graduaterecruitmenteurope@morganstanley.com

*Investment Banking, Global Capital Markets, Sales and Trading, Research, Bank Resource Management
ABOUT US: The NCS vision is to provide outstanding A level education and examination results for able students in East London and beyond to enable them to progress to the most competitive universities in the UK, including Oxford and Cambridge and other prestigious universities worldwide. As a group of professionals we believe strongly in the importance of social mobility and through our work we are effecting positive change within our community. We have been judged ‘Outstanding’ by Ofsted in every category and our 2017 A level results of 88% A*/B and 99% A*/C mean we are one of the highest performing state A level providers in the country. In only our second year of A levels, 95% of students received offers from a Russell Group University, 9 of which were from Oxford or Cambridge, 1 student is studying at MIT and 39 offers were made for Medicine/ Dentistry. Having forged a strategic partnership with UCL, colleagues at all levels have access to world class facilities, academics and cutting edge research.

As our Sixth Form grows we seek to recruit exceptional graduates to join us in September 2018. Over the two years, we would offer high quality mentoring and training all within a supportive and collaborative environment helping our trainee teachers achieve Qualified Teacher Status. We also offer a generous financial package that would be highly attractive to a prospective applicant who wished to use their strong subject knowledge to support very able students from disadvantaged backgrounds.

LOCATION: London

VACANCIES: Teacher of Mathematics.

RECRUITMENT CRITERIA: We accept applications from both 3rd year undergraduates and postgraduates.

TRAINING: Schools Direct Teacher Training Route.

APPLICATION PROCESS: Application form and interview.

CONTACT FOR APPLICATIONS: Mouhssin Ismail

EMAIL: mismail@ncs6.org

PHONE: 020 3373 5000
ABOUT US: Operis is a specialist firm of consultants providing financial modelling expertise and related advisory services to financial institutions involved in major projects and structured financings, including P3s, infrastructure and energy transactions. Headquartered in London, England, Operis was established in 1990 and opened an office in Toronto in 2014 which is growing rapidly. Its involvement in transactions includes building the financial models, auditing those built by others, and providing structuring advice. It is a leading independent provider of P3 financial advice in Europe, and is developing the same services in North America. The company comprises some 60 individuals, 10 based in Toronto, with very strong academic backgrounds and a dedicated approach to their work.

LOCATION: London

VACANCIES: Financial Analyst - Job characteristics:
• Completing the detailed analysis of a model and associated documentation in order to provide assurances on a model audit.
• Building financial models to a specification provided by the Project Manager. All aspects of modelling may be required to support the completion of the project.
• Running, editing, enhancing, populating, and fine-tuning models.
• Developing bespoke systems for clients.
• Provision of financial and numerical analysis.
• Supporting the Advisory team’s work.

RECRUITMENT CRITERIA:
• Candidate requirements:
• Minimum 2:1 in a highly numerical degree.
• Effective communicator who can explain ideas and concepts.
• Internal teamwork is essential. Candidates must be happy to work in a co-operative and flexible environment.
• Self motivated and confident in working independently.

APPLICATION PROCESS: Ongoing Recruitment. Please include in your application:
• CV
• Cover Letter
• Education Qualifications
• If you require sponsorship

CONTACT FOR APPLICATIONS: Victoria Cecil

EMAIL: opportunities@operis.com

PHONE: 020 7562 0400
ABOUT US: Over thirty years ago, Optiver started business as a single trader on the floor of Amsterdam’s European Options Exchange. Today, we are a leading global electronic market maker, focused on pricing, execution and risk management. We provide liquidity to financial markets using our own capital, at our own risk, trading a wide range of products: listed derivatives, cash equities, ETFs, bonds and foreign currencies. Our independence allows us to objectively improve the markets and provide efficiencies for end investors.

With over one thousand Optiverians globally, our mission to improve the market unites us. Thriving in a high performance environment, we pioneer our own trading strategies and systems using clean code and sophisticated technology. We achieve this by attracting, developing and empowering top talent, in order to sustain our future.

LOCATIONS: Europe

VACANCIES: We have the following full time opportunities for graduates to join us as;
- Traders
- Researchers
- Graduate Software Developers
- Risk Analysts

INTERNSHIPS AND WORK EXPERIENCE: We also have two 8 week summer internship programmes available within our Trading and Technology departments, to be based in Amsterdam.

The programmes are open to penultimate year students studying one of the following subjects or equivalent; Computer Science, Engineering, Mathematics, Physics or Information Systems.

RECRUITMENT CRITERIA: For our full time and summer internship opportunities, in addition to studying one of the aforementioned subjects, we require;
- Excellent numerical and analytical skills;
- Fluency in English (Dutch is not required)

Please check the Optiver website; www.optiver.com for the specific requirements and application process per role. Kindly note that Optiver is able to provide sponsorship for work visas.

TRAINING: For Trading, Research and Risk roles you will join a two-month training program involving classroom work, trading desk simulation exercises and live market trading. We believe hands-on experience is the best way to learn and that is exactly what we provide. For roles within Technology, you will also undertake classroom training alongside on-the-job training from day one.

APPLICATION PROCESS:
- Online application
- Numerical tests (in Oxford or London)
- Technical & HR Interviews (in London)
- Final Interview day in Amsterdam office at the end of November

EMAIL: Recruitment@optiver.com

PHONE: +31 (0)20 708 7000
What is the probability that one of those intervals is big enough to contain all others?

On a circle there are 100 points picked randomly. They are paired into intervals on the circle, going clockwise: from the 1st point to the 2nd, from the 3rd point to the 4th etc. 50 intervals in total.

Our Research or Quantitative Trading team could be the right fit for you! Check out Optiver.com for more details or meet our team at the careers fair.
ABOUT US: OxFORD Asset Management is an investment manager with a quantitative and technological focus. Our team of mathematicians, scientists and software engineers develop proprietary algorithms using the latest technologies and trading software to invest on a global scale. By analysing a range of data and information, we exploit relationships among financial instruments such as stocks, futures, and currencies. We work with the latest technologies to build computational models of financial markets, which trade the Fund’s portfolio. We tackle problems with an open mind, and draw inspiration from a vast array of sources. We encourage a culture of innovation and craftsmanship, and embrace a philosophy of continual improvement with rapid feedback on personal contributions. OxFORD offers a comprehensive and flexible benefits package, including competitive salary and performance related bonus, private healthcare, pension and life assurance.

LOCATIONS: Oxfordshire

VACANCIES: Software Engineering, Quantitative Analysts and Systems Infrastructure.

INTERNSHIPS AND WORK EXPERIENCE: Summer Internship Programme 2018.

APPLICATION PROCESS: Please submit CV and Cover Letter online.

EMAIL: recruitment@oxam.com
ABOUT US: Opportunities are at the heart of a career with us. And we’re proud, based on the opportunity we offer, that students have voted us the number one Graduate Employer in The Times Top 100 Graduate Employers survey for the last fourteen years. Our continued success, size and scale, not forgetting our extensive client base creates a unique learning and working environment for undergraduates and graduates to start their career.

Our purpose: Our purpose is to build trust in society, solving important problems for our clients; helping them tackle complex business challenges and improving how they work.

LOCATIONS: Nationwide

VACANCIES: There are many areas of our business you can choose to join:
- Actuarial
- Assurance
- Consulting
- Deals
- Legal
- Tax
- Technology

INTERNSHIPS AND WORK EXPERIENCE: We have work experience opportunities across all our business areas. Our programmes will help you learn where your skills, interests and career goals would best fit into our business. You could spend as little as one day with us on a career open day, or if you’re looking to invest more time, you could apply to our summer internship programme or perhaps one of our work placements.

RECRUITMENT CRITERIA: While we choose the best people to join us, it might be surprising to learn they’re from a wide range of backgrounds and have studied all sorts of degree subjects. And there are many areas of our business you could start your career.

TRAINING: All routes into our business offer you the same deal. The opportunity for you to grow as an individual, building the skills needed to be successful in your role, to meet new people and build lasting relationships that will stay with you for life. In return, we need people who are resilient, willing to work hard, quick to learn, and passionate about going the extra mile to help our clients.

APPLICATION PROCESS: Please see the website for deadlines as they vary between roles. Our application process consists of an application form, assessment centre and senior interview.

EMAIL: emma.cheetham@pwc.com
ABOUT US: Rebellion celebrates 25 years of independence in Dec 2017. A long-standing game developer-publisher with headquarters in Oxford, we have a broad portfolio of titles developed for most games platforms past and present, most famously worldwide number one hits Sniper Elite and Aliens Vs Predator. Latest games include Strange Brigade (coming 2018), Sniper 4 (released 2017) and Battlezone (2016 launch title for PlayStation VR, still considered one of the best Virtual Reality games available). Our in-house cutting-edge technology, Asura, enables Rebellion's talented staff to create awesome games for VR, Xbox One, PlayStation 4 and PC. Founded in 1992, Rebellion currently employs 200 game development staff across our 2 studios in Oxford and Liverpool. We are looking to hire talented, creative people who have a passion for making great games and want to be at the forefront of developing gaming technology. Our development studios have friendly, informal and above all creative atmospheres.

LOCATIONS: Oxfordshire

VACANCIES: Our roles fall into a wide variety of game development areas, including programming, art, design, production (project management), web development, testing and audio design.

INTERNSHIPS AND WORK EXPERIENCE: We can take on at least 6 interns annually, for 2-12 months, and will consider interns across all our game development areas.

RECRUITMENT CRITERIA: At Rebellion we welcome applications from all levels of students – from undergraduates to post graduates – and across all academic disciplines. For code roles we are particularly interested in Computer Science, Maths, Physics or other science-related subjects.

APPLICATION PROCESS: Please apply via our website, or email your CV and cover letter to vacancies@rebellion.co.uk. There are no specific deadlines for most roles as we just keep looking until we find the right people – so just apply as soon as possible if you are interested in being considered! For interns we aim to start interviews in December in order to make final decisions in January.

EMAIL: vacancies@rebellion.co.uk

PHONE: 01865 792 201
JOIN THE REBELLION
WE ARE RECRUITING!

VACANCIES @ REBELLION.CO.UK

WWW.REBELLION.COM
Rolls-Royce

careers.rolls-royce.co.uk/united-kingdom

ABOUT US: Rolls-Royce provides high-performance, highly-efficient integrated power and propulsion solutions to clients across the globe. Helping us to do this are the bright, ambitious and innovative people we hire each year, from post-GCSE apprentices to graduates. Our opportunities span everything from Engineering to Supply Chain. Ready to create better?

LOCATIONS: Nationwide

VACANCIES: TBC

INTERNSHIPS AND WORK EXPERIENCE: From powering nuclear submarines to super-efficient passenger planes, rail locomotives and cutting-edge marine propellers, Rolls-Royce creates high-performance, integrated power solutions for use in the air, on land and at sea. We strive to create better for customers in 150 countries. Join us as a graduate or intern, and so could you.

We offer summer internship and internship programmes across a range of areas, and graduate programmes spanning diverse engineering disciplines as well as business and operations. Wherever you join us, you’ll learn a lot – and quickly. Prepare to be immersed in complex challenges; to undertake work that really does matter.

RECRUITMENT CRITERIA: We accept the following applications;
• Undergraduate 1st Year Students - Yes
• Undergraduate 2nd/3rd Year Students - Yes
• Undergraduate Finalist Students - Yes
• Masters Students - Yes
• MBA Students Yes – but no specific programme, direct entry recommended
• PhD Students Yes – but no specific programme, direct entry or graduate scheme can be appropriate routes

Engineering/Materials/ME: 2:1 bachelor’s degree in Engineering, Maths or a relevant Physical Science, or equivalent qualification.

Nuclear Engineering: You’ll need a 2:1 minimum bachelor’s degree (or equivalent) in a relevant subject, to include Mechanical Engineering, Nuclear Engineering, Chemical Engineering, Maths, Chemistry or Physics.

Nuclear Controls: You’ll need a 2:1 bachelor’s degree (or equivalent) in a discipline like Electronic, Electrical, Software or Computer/Control Systems Engineering, or Computer Science.

Software/Systems/Electronics: 2.1 bachelor’s degree in a relevant subject

All non-engineering programmes: 2.1 degree

APPLICATION PROCESS: Please apply online by visiting careers.rolls-royce.co.uk/graduates or /internships

CONTACT FOR APPLICATIONS: Katy Fowler

EMAIL: R-RUniversityCareersFairs@banks-sadler.com

PHONE: 01904 683 789
ABOUT US: Softwire was founded on a simple idea: to create the best possible environment for building software. We deliver innovative, high quality software solutions in a broad range of markets and our clients vary from small start-ups to household names such as the BBC, Channel 5 and Google DeepMind.

We are looking for graduate software developers and interns who want a challenging role in our highly successful and growing company. Our staff are among the smartest in the industry and they grow with us, learning diverse technologies and pursuing the type of work they find most interesting.

We offer a superb all-round package, including starting salary of £36,000, with half of our profits distributed to staff as bonus. The working environment is relaxed and friendly and there are many opportunities to engage in pro bono and charitable work too. This is why we have featured in the top 25 of The Sunday Times Best Small Companies to Work For in each of the past seven years, always as one of the top few software companies.

LOCATION: London

VACANCIES: Graduate Software Developer – up to 20 vacancies each year usually starting in September, November or January.

INTERNSHIPS AND WORK EXPERIENCE: We offer up to 20 internship places each year, mostly over the summer but with other dates available too. Our internship programme is extremely popular with students, offering real-life, team-based software development work on pro bono or community-based projects, often for charities.

RECRUITMENT CRITERIA: We are looking for fiercely inquisitive people with raw talent, a passion for coding and an impeccable academic record (or a good excuse!). Hobbyist or academic experience of programming is desirable but not mandatory, and we accept applications from students of all disciplines.

TRAINING: We provide full on-the-job training to our staff, all the way through their career.

APPLICATION PROCESS: Our application process is probably the quickest and easiest to be found anywhere. We recruit and interview all year round but candidates are significantly more likely to be successful if they apply well in advance of their preferred start date. Students looking for summer internships or permanent placements after graduation are advised to submit their application before the end of the preceding December.

CONTACT FOR APPLICATIONS: Cassie Lahoud

EMAIL: recruit@softwire.com

PHONE: 020 7485 7500
ABOUT US: Here at Sparx we’re using a scientific and research-based approach that takes the guesswork out of education. Through data and real-world classroom observation, we’re investigating what makes the best learning experience in order to improve educational outcomes for students, today and tomorrow. Our platform for Maths uses custom-built content and a powerful, data-driven web and mobile framework to deliver a tailored set of exercises, games and incentives that are redefining the limits of what young people can achieve.

Sparx is based at Oxygen House; the award-winning Head Office of several companies, all with a data and statistics leaning. We have a range of on-site facilities such as an all-weather outdoor pitch just outside for netball, football and tennis, an on-site gym offering regular fitness classes, a pool table, table tennis and football, and a café serving delicious, local, and organic food. All for free.

On top of this, we have great views with the foothills of Dartmoor and the beach just 20 minutes away. We’re constantly organising activities to support our charities and to socialise, from summer picnics and cycling on Dartmoor, to evening events in the City. Our work is serious but we’re all about having fun while we do it!

LOCATIONS: England - South West

VACANCIES: Being an intern or graduate at Sparx isn’t about taking a back seat. You’re bright, motivated and integral members of the team. We have roles in:

- **Content Science** – develop engaging and radical new ways to teach Maths topics and preparing for implementation into schools
- **Developer** – put your excellent command of computer programming languages into practice! You should expect to be working with web, server and native technologies in languages including Javascript, Python, Objective C, C++ and Lua
- **Data Science** – put the data through its paces, performing rigorous statistical evaluation to look at the bigger picture and finding solutions to problems

RECRUITMENT CRITERIA: You’ll be in your penultimate year of study for our internship - expecting to graduate in 2019, or graduating in 2018 with at least a 2:1 in Maths, Science, Computer Science or a relevant numerate or technical subject.

APPLICATION PROCESS: Online Application (CV), Online Testing, Telephone/Video Interview, Assessment Day(s).

EMAIL: recruitment@sparx.co.uk
ABOUT US: Have you got game?
Game theory rings true in everything we do. We’re big on competition, strategy, and managing risk – just like great gamers. We are problem solvers who analyse the financial markets to identify profitable trading opportunities. Raise your game and explore the opportunities with SIG.

SIG is a global quantitative trading firm, founded 30 years ago by a group of friends from Philadelphia who were interested in the financial markets and decision making games like poker. Our European headquarters was established in Dublin 17 years ago and is now home to 450+ employees. SIG is one of the largest privately-held financial institutions in the world. Building virtually all of our own trading technology from scratch, we are a leading and innovative company in high-performance, low latency trading.

LOCATIONS: Europe

VACANCIES: Trading, Technology, Quantitative Research, Operations, and Market Intelligence.

INTERNSHIPS AND WORK EXPERIENCE: We offer internships and graduate roles.

RECRUITMENT CRITERIA: We recruit students with an academic background in Mathematics, Physics, Actuarial Science, Engineering, Computer Science, and Finance who are on track to achieve or have achieved a minimum grade of a 2.1.

TRAINING: Our trading internship is a 10-week summer programme, designed to expose you to the working environment that you can expect if you return to SIG as a full-time Assistant Trader.

Students who start their career at SIG learn what it’s like to work in a trading environment through a combination of SIG’s classroom education and impactful work on our trading desks.

During your internship you will participate in daily classes with senior traders. You will learn about options, poker, and game theory, and play mock trading games to help you interpret the uncertainty in the markets and develop a rigorous analytical approach to your decision making.

Upon successful completion of the internship you will be offered a returning role as an Assistant.

APPLICATION PROCESS: We recruit on a rolling basis and strongly encourage early applications. We want to get to know you better so you’ll always deal with a member of our team, either over the phone or in person.
• Opening Date: Friday 1st September 2017
• Closing Date: Friday 8th December 2017

CONTACT FOR APPLICATIONS: Emma Quinn

EMAIL: dubcampusrecruit@sig.com
ABOUT US: If you grow up in a low-income community, your chances of future life success are limited. We want to change that. Teach First is a charity that works towards a day where every child has the education they are entitled to. We find and develop great people to become inspirational leaders in the classroom, in schools and across all sectors of the economy. Our trainees join our Leadership Development Programme. Through the programme, we support them to become qualified teachers, to gain a fully-funded Postgraduate Diploma in Education and Leadership and go on, if desired, to gain a Master’s. We also introduce them to some of the most influential organisations and experts in the professional world — a diverse range of connections who share our commitment to ending educational inequality and value the skills and experiences our participants gain.

LOCATIONS: London; England - South East; England - South West; England - East; England - East Midlands; England - West Midlands; Yorkshire and the Humber; England - North East; England - North West; Wales

VACANCIES: We recruit on a rolling basis and we fill our vacancies as soon as we find candidates who meet our requirements, so we recommend opening an application as soon as possible.

INTERNSHIPS AND WORK EXPERIENCE: Our Insight programme is an opportunity for penultimate year students to experience a snapshot of our LDP, to develop employability skills and inspire young people studying Science, Technology, Engineering and Maths. This is a two-week residential paid programme spending the first week in London training. This will prepare you for the second week, where you will be placed in one of our partner schools across England or Wales. There are 2 opportunities to take part in the Insight programme during March and June.

RECRUITMENT CRITERIA: Minimum requirements:

- 2.1 degree or above
- Have a degree or A-levels that satisfy our teaching requirements
- Grade C* in GCSE Maths and English (or equivalent). *Those placed to teach in a secondary school in Wales will require at least a B in Maths and English - GCSE. Grade C in one science GCSE is also required for primary or Early Years teaching eligibility
- Flexibility to work in any of our locations

APPLICATION PROCESS: Successful applicants will be required to attend a 1 day assessment centre at our head office in London.

CONTACT FOR APPLICATIONS: Grace Osborne

EMAIL: gosborne@teachfirst.org.uk
ABOUT US: Every day, 11 million customers visit Tesco stores. We, the Supply Chain Transformation team work to anticipate the needs of all of them. For example, did you know that a 10 degree rise in temperature means we sell 300% more barbecue meat and 50% more lettuce? We use this relationship to make sure we order products in the right amounts to give our shoppers what they want while minimising the amount that goes to waste.

Based on our data-driven insight, collaboration with Tesco colleagues and in partnership with our suppliers, our projects make significant, lasting changes to the UK’s biggest retailer. And we can really see the changes we make: as well as measuring benefits in the office, we see them in visits to our stores and throughout the Supply Chain.

A career with us allows you to creatively solve problems, develop systems using mathematical modelling and algorithm design, and introduce better ways of working within our team and across our offices and suppliers.

LOCATION: England - South East

VACANCIES: Business Analyst (3-5)

INTERNSHIPS AND WORK EXPERIENCE Summer Internships (4-8):
Paid, 10 weeks long, starting at the end of June.

We will work with you to match you with a great project that suits your strengths and skills. As a team of keen problem-solvers, we use an analytical approach to creatively solve problems, develop systems using mathematical modelling and algorithm design, and introduce better ways of working within our team and across our offices and suppliers.

RECRUITMENT CRITERIA: We are looking for:
• Analytical problem solvers
• Ability to work with and present complex information
• Ability to engage and influence stakeholders
• Organisation and drive to succeed
• Considerate team players

TRAINING: We take a keen interest in the development of all new analysts equipping through on-the-job training and internal training courses. You will learn:
• Analytical, communication and leadership skills
• Programming (SQL, MATLAB, Python, VBA)
• Project Management

APPLICATION PROCESS: For Business Analyst positions please send your CV to consulting.careers@uk.tesco.com. Straightforward recruitment process including online tests and an interview day.

If you are interested in the Summer Internship please see https://www.tesco-programmes.com/internships/Supply-Chain for details.

CONTACT FOR APPLICATIONS: Mike Hayden

EMAIL: consulting.careers@uk.tesco.com
ABOUT US: Tessella is the Analytics World Class Center of the Altran Group. We are innovative scientists and engineers who enjoy solving the real-world technical challenges faced by industry-leading companies at the forefront of science and technology. Using a combination of deep domain knowledge and technical expertise, including data science, analytics and software engineering, we work with our clients to find new ways to unlock the value held within their data, enabling them to make better-informed business decisions.

We are looking for enthusiastic science, mathematics and engineering graduates and postgraduates to join us. You will have the opportunity to apply the knowledge you have gained during your studies and use a range of skills to create, develop and deliver solutions that truly make a difference in the world. You will be expected to quickly learn new domains and technologies and apply innovative thinking and transferable skills to solve new challenges.

We are proud of our culture, where a positive attitude, supportive colleagues and commitment to continuous learning are all valued. The wellbeing and engagement of all staff is our priority and we work in a collaborative, cooperative environment with a good work-life balance.

LOCATIONS: Oxfordshire; England - East of England; England - West Midlands; England - North West

VACANCIES: Data Scientist / Software Developer (c.20).

RECRUITMENT CRITERIA: We are looking for science, mathematics and engineering graduates and postgraduates to join us. You should have a passion for problem solving, excellent customer facing skills and an interest and ability in software development.

TRAINING: We offer excellent prospects for your future. While we do offer traditional career paths, most staff end up shaping their own based on their aspirations, the skills they have developed and the projects they have worked on. We take personal development seriously and all staff receive an annual training allowance of 150 hours, which can be used to learn new technical and soft skills, often leading to recognised professional qualifications.

APPLICATION PROCESS: Send your CV to jobs@tessella.com or apply online via our website. We recruit throughout the year.

CONTACT FOR APPLICATIONS: Neil Barrett

EMAIL: jobs@tessella.com
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ABOUT US: TPP is a market leading UK based IT company, dedicated to delivering innovative software solutions to the UK healthcare industry. After 20 years of success, we now operate on an international scale with projects ongoing across the Middle East and China.

TPP has been consistently recognised as an outstanding graduate employer. In 2014 and 2015 we placed first in The Sunday Times 100 Best Small Companies To Work For. Most recently, we were named ‘Top Company For Graduates To Work For’ 2016/17 and the ‘Top IT Development and Consulting Company’ for two years running by The JobCrowd.

LOCATIONS: Yorkshire and the Humber

VACANCIES:
- Software Developer - ongoing recruitment
- Software Developer - Summer Internship 2018 - 10 vacancies

INTERNSHIPS AND WORK EXPERIENCE: TPP is offering paid internships for summer 2018 (£2,000 per month) for university students who will be going into their final year. Working alongside our Software Developers you’ll get the opportunity to work on exciting new projects, developing cutting-edge healthcare software. Our interns typically join us for 12 weeks but we are flexible on duration and start dates.

Our Software Developers work on a wide variety of projects as part of an agile development environment. They are involved in the full software cycle and work closely with all teams across the company as they scope out new projects and design, develop and deploy our innovative clinical system.

RECRUITMENT CRITERIA:
Software Developer:
- 2:1 or higher at degree level
- A*AA at A level (A* in Maths)
- A* in GCSE Maths

Summer Intern:
- A predicted 2:1 or above at degree level (in any discipline)
- A minimum of A*AA at A level (including an A* in Maths)

APPLICATION PROCESS: To apply, email your CV to careers@tpp-uk.com. When applying, please specify:
- Which university you attended
- All individual GCSE and A Level grades
- Your degree classification
- What languages you are fluent in
- Where you heard about the job

Note that due to the high volume of applications, candidates failing to pass the initial selection will not be notified. Successful candidates will usually be contacted within two weeks.

CONTACT FOR APPLICATIONS: Emily Smith

EMAIL: careers@tpp-uk.com

PHONE: 0113 205 0082
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