

Virtual



JOBS FOR MATHEMATICIANS CAREERS FAIR

WEDNESDAY, 27 OCTOBER 2021

STANDS LIVE: 12:30-17:30



Attend presentations,
browse jobs, and meet
employers who are
recruiting for roles
using maths.



www.careers.ox.ac.uk/fairs

Welcome to the

Jobs for Mathematicians Fair

The Oxford University Jobs for Mathematicians careers fair offers you the opportunity to find out about careers using maths and start planning your next career steps or focus your search.

At the fair, you can attend live presentations with top recruiters, explore the opportunities available, interact with recruiters and careers advisers, and 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.

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APR



APR is a specialist actuarial firm with a straightforward ambition: to be a deeply trusted partner of our clients, supporting them by solving the complex numerical and analytical problems within their businesses. In practice, our client solutions include supporting existing functions, contributing to major change projects and providing technical expertise. They take the form of either on-site support, or consulting projects under which we take problems away from the client and deliver a solution.

In recent years APR has partnered successfully with many of the largest companies in the UK financial sector. A key pillar of our success has been our recruitment of some of the leading numerate graduate talent in the market. We support our graduates through our renowned intensive training programme and provide them with a broad range of stimulating and challenging client projects.

In short, our graduate scheme will enable you to:

- Receive some of the best training any actuarial employer offers, covering technical, IT and softer skills; and a full study support package.
- Hold positions of responsibility from very early on in your actuarial career
- Experience unrivalled variety in your work through exposure to a wide spectrum of actuarial, modelling and data analysis projects.
- Develop wider business skills by being involved in a range of activities that will quickly see you become an integral part of our growing team.

Find out more at:

aprllp.com/working-for-apr/graduate-associate-scheme/

ATASS SPORTS



ATASS Sports is a statistical research consultancy providing world-leading modelling and forecasting services to the sports industry.

Our story began in 1998 when [Mark Dixon](#), a university statistics lecturer, decided to set up a one-man-band consultancy, offering statistical modelling and research services. Featuring near the top of a Yellow Pages listing was a priority at the time, and led to Mark opting for 'Advanced Training and Statistical Services,' or ATASS for short. Increasingly, his love of football led him to take on more and more sports-related work, and, by 2001, he and a handful of colleagues were working under the new identity of ATASS Sports.

Fast forward over 20 years, and the company now boasts one of the largest commercial statistical research teams in Europe and is a leader in the field of the application of statistical modelling in sports. We have created and continue to develop a collection of statistical and mathematical models that allow sporting outcomes to be predicted with unparalleled accuracy.

Find out more at: atasssports.recruitee.com

BARCLAYS

Barclays is a British universal bank. It is diversified by business, by different types of customers and clients, and by geography. Barclays' businesses include consumer banking and payments operations around the world, as well as a top-tier, full service, global corporate and investment bank, with a heritage of success, quality and innovation stretching back over 330 years.

Find out more at: <https://search.jobs.barclays/>

CISCO



At Cisco, each person brings their own talents to work as a team and make a difference.

Yes, our technology changes the way the world works, lives, plays and learns, but our edge comes from our people.

We connect everything – people, process, data and things – and we use those connections to change our world for the better.

We innovate everywhere - From launching a new era of networking that adapts, learns and protects, to building Cisco Services that accelerate businesses and business results. Our technology powers entertainment, retail, healthcare, education and more.

We benefit everyone - We do all of this while striving for a culture that empowers every person to be the difference, at work and in our communities.

Colourful hair? Don't care. Tattoos? Show off your ink. Like polka dots? That's cool. Pop culture geek? Many of us are. Be you, with us. #WeAreCisco

Cisco is an equal opportunity employer.

Cisco was named the #1 World's Best Workplaces!

Yes, for the second year in a row! We've always known it, now the rest of the world does too.

Find out more at: <https://jobs.cisco.com/>

CITADEL & CITADEL SECURITIES



[Citadel](#) is an investor in the world's financial markets and one of the world's alternative investment managers. For over a quarter of a century, we have sought to deliver industry-leading investment returns to clients. We help clients' capital fulfill its potential across a range of markets and investment strategies, including fixed income & macro, equities, quantitative, commodities and credit. [Citadel Securities](#) is a leading market maker, delivering an array of fixed income and equity products to banks, broker-dealers, government agencies, corporations, insurers, and sovereign wealth funds. Through innovation and efficiency, we provide liquidity with the goal of driving price discovery and making markets more competitive, open, and transparent.

We're seeking intellectually curious students to apply for Quantitative Research, Software Engineering and Investment & Trading roles. Open positions, unparalleled opportunities, apply now.

Find out more at: <https://www.citadelsecurities.com/>

D-FINE LTD



d-fine is a European consultancy firm with 1000 employees, distributed across seven offices in four countries. Our London office in the heart of the City was established in 2005 to deliver services to all our clients in the UK and Ireland. The firm is focused on analytically challenging and quantitative projects, with the aim of designing and developing future-proof solutions for business problems. These solutions are based on extensive practical experience and highly qualified employees with a quantitative and technological background. This combination enables d-fine to efficiently deliver solutions for our clients across a range of commercial and industrial sectors.

Do you have a Masters or PhD in Physics, Mathematics, Financial Mathematics, Computer Science or any other related quantitative science? Then come and chat to us!

Find out more at:

www.d-fine.com/en/career/united-kingdom/overview/

DA VINCI DERIVATIVES



Da Vinci Derivatives was founded in 2015 by a group of young trading professionals and has since been growing successfully. With our own capital and sound risk awareness we trade listed derivatives on markets globally. We identify opportunities and trade based on in-house developed strategies, and we provide liquidity and efficiency to the markets.

Our philosophy towards work is best captured by “Be good, work hard and great things will happen”. We are meritocratic by nature and believe that empowering talent in our organization is the only way forward. We aim at attracting the most qualified people in the industry, train them, provide them with all the required tools, continuously challenge them and allow them to grow both professionally and personally. Our business is highly innovative, IT driven and entrepreneurial by nature. Our goal is to become the best trading company in the world!

Find out more at: davinciderivatives.com/careers/

FIVE RINGS



Five Rings is a proprietary trading firm with offices in New York and London.

We trade in various domestic and international markets, both established and esoteric. Our team of Traders, Developers, and Quants work together to profit from opportunities in the global markets.

We have an open and inclusive culture, and encourage the flow of knowledge and ideas between all areas of the firm. Our firm is a true meritocracy, where growth in responsibility and compensation is earned equitably and rapidly.

Find out more at: <https://fiverings.com/>

FLOW TRADERS



Flow Traders is a principal trading firm founded in 2004. We are a leading global technology-enabled liquidity provider, specialized in Exchange Traded Products (ETPs).

Flow Traders is at the intersection of finance, cutting-edge technology and scientific research. We are able to grow organisations further, thereby ensuring that our trading desks in Europe, the Americas and Asia provide liquidity across all major exchanges, globally, 24 hours a day.

Financial markets have rapidly shifted from trading in the pit to algorithmic trading, and our business model has made us an entrepreneurial and competitive firm in the FinTech space. We use our principal technology platform to quote bid and ask prices in thousands of ETP listings. We are also active in other asset classes such as bonds, FX, cryptocurrencies and similar financial products. On top of that, we provide liquidity to institutional counterparties off-exchange across all regions!

Find out more at: www.flowtraders.com

G-RESEARCH



G-Research is Europe's leading quantitative finance research firm.

We hire the brightest minds in the world to tackle some of the biggest questions in finance.

We pair this expertise with machine learning, big data, and some of the most advanced technology available to predict movements in financial markets.

Find out more at: www.gresearch.co.uk/join-us/

GSA CAPITAL



GSA is a collaboration of approximately 160 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. People who work here enjoy a culture of trust, innovation and scientific rigour. It is a friendly, open place where people are motivated because they enjoy what they are doing.

Opportunities available: Quantitative Strategists, Software Engineers, Algorithm Developers Graduates Sought: Students of all academic levels from STEM disciplines.

Vacation work: Internships available for penultimate year undergraduate and postgraduate students.

Find out more at: www.gsacapital.com

HYBRID INTELLIGENCE



As a member of the Hybrid Intelligence team of Capgemini Engineering you will work on a variety of innovative and rewarding projects that make a difference. Our work is a fusion of applied mathematics, scientific computing, AI, and software engineering. We deliver ground-breaking, multi-disciplinary solutions for our R&D-driven clients tackling humanity's generational challenges, from discovering new drug treatments to harnessing green energy.

We are dedicated to creating a diverse environment and are proud to be an equal opportunity employer. We appreciate individuals for who they are and value the diversity they bring to the workplace.

Capgemini Engineering is an integral part of the Capgemini Group, a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. It is a multicultural company of over 270,000 team members in almost 50 countries.

Find out more at: careers.tessella-capgeminiengineering.com/

IMC TRADING



IMC is a leading global market maker, using algorithmic trading and advanced technology to buy and sell securities on multiple trading venues worldwide. We provide liquidity to the financial markets, driving efficiencies for buyers and sellers.

We operate globally from offices in Europe, the US and Asia Pacific. Our employees work closely together in multidisciplinary teams, making our success possible.

Technology - At IMC, technology is not a department, it is at the heart of everything we do. Our technologists push the limits of possibility, and then look beyond. In our fast-paced environment, short feedback loops mean projects worked on in the morning can enter production the next day.

Trading – Although our traders come from many backgrounds they all have one thing in common: they are at their best solving complex problems. Their insight into global events, market shifts and pricing ensure we are trading in the right place, at the right time.

Discover our internship and graduate opportunities.

Find out more at: careers.imc.com

JANE STREET



Jane Street works differently. We are a quantitative trading firm active on more than 200 trading venues across 45 countries. As a liquidity provider & market maker, we help form the backbone of global markets. Our approach is rooted in technology and rigorous quantitative analysis, but our success is driven by our people.

Our offices in the heart of NYC, London, Hong Kong, and Amsterdam are open and buzzing with conversation. Some of our best ideas come from bumping into a colleague at the office coffee bar.

Markets move fast. Staying competitive as we've grown has required constant invention—of new trading strategies, technology, and processes. We've found this is easier when you hire humble, kind people. They tend to help each other, and prioritize teamwork over titles.

We invest heavily in teaching and training. There's a library and a classroom in every office, because deepening your understanding of something is considered real work. Guest lectures, classes, and conferences round out the intellectual exchanges that happen every day.

People grow into long careers at Jane Street because there are always new and interesting problems to solve, systems to build, and theories to test.

Find out more at: www.janestreet.com

LEONARDO (AIRBORNE & SPACE SYSTEMS DIVISION)

Leonardo is a global high-tech player in Aerospace, Defence and Security. With headquarters in Italy and over 49,800 employees, Leonardo has a major industrial presence in four main markets (Italy, UK, US and Poland), and an important network of strategic partnerships in the main high potential markets worldwide.

With a UK focus on our Defence Electronics and Helicopter capabilities, Leonardo employs around 7,500 people at seven major sites throughout the UK, 67% of who hold highly skilled positions. Leonardo's growth in the UK has resulted from the skills, energy and dedication of our people. We are therefore committed to maintaining a skilled and diverse workforce and offering personal fulfilment through the highest quality education and development.

Find out more at: uk.leonardocompany.com/en/people-careers/graduates/graduate-opportunities

LIQUIDNET



For 19 years, Liquidnet has revolutionized the way the world invests. Spanning 45 markets across the globe, our network connects the world's biggest investors to the world's biggest investment opportunities. We're bold. We're creative. We're growing, and we're passionate about the power of technology to change the lives of our customers and the world beyond.

Liquidnet prides itself on standing at the nexus of Wall Street and Silicon Valley. But, with fewer than 500 employees globally, Liquidnet has a culture where everyone has an opportunity to make a difference — and to make someone's day a little brighter.

We're looking for people who are smart and accomplished. If that describes you, we'd love to talk to you about working with us.

We have opportunities in the following areas:

- Summer Internship programmes (second year students and beyond)
- 6-month industrial placements
- Graduate Roles

This is an opportunity to join a fast paced, innovative Fin-tech company with a bold vision and strategy. Liquidnet is going through a growth period globally, with double digit growth year on year.

Find out more at: www.liquidnet.com/open-positions

MARSHALL WACE



Based in our London office, you will be working in a research position designed for high-calibre, highly numerate individuals. We value free thinkers, and we have created a fast-paced and meritocratic environment where you will be encouraged to apply your own initiative and challenge conventional wisdom. You will be delivering on the research agenda, in addition to back testing/researching forecasts of asset returns on horizons of hours to years.

We all share a tireless drive for innovation. Participants in the scheme tend to be one of the top students at their university, and exceptional individuals have gone on to become involved in creating and optimising our signature systematic trading models.

Find out more at: www.mwam.com

MUNICH RE

Munich Re is a major global organisation with around 40,000 employees including a team of approximately 100 in our UK & Ireland Life branch.

We are looking for university graduates, to join our UK & Ireland Life business in September 2022. We are seeking bright, curious and ambitious candidates who are keen to learn about the reinsurance industry and are committed to completing the actuarial examinations.

As part of our London-based life reinsurance team, you will be allocated within one of our actuarial departments. The role will give you exposure to different units within Munich Re and an opportunity to learn what we do across the life reinsurance industry. We offer training, a competitive actuarial study package and extensive support through your examinations. Munich Re also provide a flexible benefit package which includes financial and wellbeing support.

Find out more at: www.munichre.com

NEWTON EUROPE



We are [Newton](#).

We're a team of the brightest and most curious minds with a fundamental belief that every organisation can be better.

We crack some of the toughest business and public sector challenges of the day. Not with reports or copy and paste thinking. But by pinpointing and implementing the changes that will make the biggest difference – and then guaranteeing our fees against delivering measurable results.

We're looking for [Operations and Digital Consultants](#) to work alongside a variety of clients designing and implementing programmes that deliver real, sustainable change. On a day to day basis, you'll be working with our clients to identify opportunities for improvement and then plan and implement the changes that need to happen to solve the problem.

Find out more at: www.newtoneurope.com/careers/graduates

OPERIS GROUP LIMITED

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 with very strong academic backgrounds and a dedicated approach to their work.

Find out more at: www.operis.com/careers/

OPTIVER



Over thirty five 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.

Find out more at: www.optiver.com/eu/en/job-opportunities

SOFTWARE



Softwire is a bespoke software company with offices in London, Manchester and Cambridge. We deliver innovative, high quality software solutions across broad markets with clients including the BBC, government departments and Google DeepMind.

We want talented graduate and intern software developers for a challenging role in our highly successful and growing company. Our staff are among the smartest and happiest 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 London starting salary of £40,000, with half of our profits distributed to staff as profit share. The working environment is friendly and relaxed and there are opportunities to engage in pro bono and charitable work too. We have featured in The Sunday Times Best Small Companies to Work For list every year for a decade.

We also offer internship opportunities with real-life, team-based software development work under the guidance of a dedicated mentor, and a salary of £2,000 per month.

Find out more at: www.softwire.com/careers/

SUSQUEHANNA INTERNATIONAL GROUP LIMITED

More information at the link below.

Find out more at: www.sig.com/campus-programs/

THE PHOENIX PARTNERSHIP



TPP is a global digital health company. With over 6,000 organisations using our solutions to care for over 50 million patients, our software is used across all health and social care settings, including GPs, emergency departments, hospitals and mental health services. This means that wherever and whenever a patient needs care, a detailed and up-to-date record is available. No other company has a digital healthcare solution on this scale. Our database is one of the largest in the world. It processes a billion transactions daily – more than the London Stock Exchange and Visa combined.

Our technology helps improve people's lives across the world, whether it is scheduling immunisations for millions of children, allowing doctors to manage complex care for elderly patients, helping governments with the prevention of outbreaks, or developing new machine learning algorithms for the early diagnosis of disease.

We value natural ability, enthusiasm and the potential to learn over direct work experience. As well as a great job, we will provide you with an excellent starting salary, fantastic benefits, and outstanding annual pay reviews.

Find out more at: <https://tpp-careers.com/>

UBS



From gaining new experiences in different roles to acquiring fresh knowledge and skills – at UBS we believe that you should never stop growing and learning because life never stops teaching. We know that it's our people – with their unique backgrounds, skills, experience levels and interests – who drive our ongoing success.

Ready to be part of #teamUBS and make an impact? Find out more at ubs.com/careers.

UBS works with individuals, families, institutions, and corporations around the world to help answer some of life's questions – whether through award winning wealth management advisory, investment banking and asset management expertise, or private and corporate banking services in Switzerland (our awards www.ubs.com/awards).

With more than 71,000 colleagues around the world, we collaborate across all major financial centers in 50 countries (as of 31 December 2020). Although we all come from different backgrounds and specializations, two things unite us: the conviction that we're stronger together, and the will and curiosity to constantly innovate. That's the key to us unlocking our full potential (and what we look for in everyone who joins us). It's also why we're regularly recognized as an attractive employer.

Find out more at: www.ubs.com/global/en/careers.html

XY CAPITAL EUROPE LIMITED



At XY we strive to improve every day. We are a quantitative and systematic trading firm that employs a rigorous mathematical approach to pricing securities and constructing portfolios across multiple asset classes globally.

A diverse team of Traders, Quantitative Researchers, Technologists and Operations personnel closely collaborate to solve problems and develop cutting-edge models and systematic trading strategies.

Our mission is to trade every financial instrument in the world, 24 hours a day, 7 days a week.

The success of XY comes from hiring the best people and providing them with the means to make a positive impact every day. We aspire to help people become the best version of themselves. Join us for a rewarding career in a collaborative culture.

Our traders control our proprietary trading system and manage risk in a fast-paced environment. Our quantitative researchers are integral to fine-tuning our strategies and generating new trade ideas.

Our technology team is where engineers apply a creative, energetic, and nimble approach to solve technical challenges at XY. Our systems are completely proprietary and help drive the evolution of our cutting-edge trading strategies.

Visit us to find out more about our internship opportunities in London and Hong Kong in Quant Research & Trading and Software Engineering.

Visit our website: www.xycapitalgroup.com

Find out more at: <https://boards.eu.greenhouse.io/xycapital>