

In-person

JOBS FOR MATHEMATICIANS CAREERS FAIR



📅 Tuesday, 15 November 2022 | 16:00-18:00

📍 Mathematical Institute, OX2 6GG

Explore the opportunities available to mathematicians, interact with recruiters and careers advisers, and ask questions to help your decision making.



www.careers.ox.ac.uk/jfm

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 meet recruiters, explore the opportunities available, chat to Oxford University 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. For example: 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.

Read more on how to [make the most of a careers fair](#).

Exhibitors

Ab Initio Software	4
APR	5
Chicago Trading Company	6
Cisco	7
d-fine	8
Da Vinci.....	9
DRW.....	10
EY	11
Flow Traders.....	12
G-Research	13
Goldman Sachs.....	14
GSA Capital	15
IMC Trading	16
Trading Institute of Mathematics and its Applications	17
Jane Street.....	18
Marshall Wace.....	19
Optiver.....	20
Oxford Asset Management	21
QRT	22
Softwire	23
Susquehanna International Group (SIG)	24
Teach First	25
The Phoenix Partnership (TPP)	26

Ab Initio Software



Ab Initio provides a high-performance software platform that our customers and consultants use to build applications to tackle the world's largest and most complex commercial data processing challenges. These applications need to meet the highest levels of reliability and performance imaginable.

Ab Initio has grown through referenceability rather than marketing, so you may not have heard of us, but our customers are among the largest companies in the world in industries such as financial services, retail, telecommunications, transportation, healthcare and high tech.

We are headquartered in Boston, Massachusetts and have offices all over the world. Our UK office is in Weybridge, Surrey. We are looking for Computer Science and STEM students who love to solve problems by really getting into detail, as well as having a desire for continual personal learning and development. If that sounds like you and you're interested in hearing about the roles we are recruiting for, we'd love to talk!



Find out more at: www.abinitio.com

APR



Are you:

- Highly talented and numerate?
- Confident communicator?
- A quick learner, able to adapt to, and thrive in, new situations?
- Eager to take on early responsibility?
- Interested in developing strong IT / coding skills and experiencing a wider range of work?

APR provides high-quality technical, data-driven and modelling solutions to clients mainly in the financial sector. This means that most of your APR career will be spent on direct client work, typically on site at clients' offices. Projects are based all around the UK (sometimes beyond), and last from a few weeks to months. We also provide full study support in the actuarial exams and plenty of opportunities for you to get involved in internal activities.

You will become part of a group of employees, working closely with the partners of APR within a culture that is inclusive and supportive.

Candidates will be likely to have the following academic qualifications (or their equivalents):

- 2:1 in any degree subject.
- A grades in GCSE English Language and A Level Mathematics.
- 136 UCAS points from your top three A level results (340 under old tariff).

After submitting a CV and covering letter via our website, there are three stages to our recruitment process: an online test, a telephone interview and an assessment centre.



Find out more at:

<https://aprllp.com/working-for-apr/graduate-associate-scheme/>

Chicago Trading Company



Chicago Trading Company (CTC) is a highly analytical, team oriented derivatives trading firm that employs a dynamic, disciplined approach to trading across a variety of products and strategies. We take decisive action to position ourselves at the forefront of the financial markets.

We actively trade in a broad spectrum of asset classes that include Equities, Interest Rates, and Commodities. We have grown dramatically since our inception in 1995. Recognized as a leading provider of liquidity and pricing on numerous derivatives exchanges globally, we trade more than 20 hours a day, six days a week.

With offices in Chicago, New York, and London, our success and rapid growth are due to our market experience, state of the art technology, risk management capabilities, and financial engineering expertise.



Find out more at: www.chicagotrading.com

Cisco

#WeAreCisco, where each person is unique, but we bring our talents to work as a team and make a difference. We embrace digital, and help our customers implement change in their digital businesses. Some may think we're "old" (35 years strong!) and only about hardware, but we're also a software company. And a security company. We even invented an intuitive network that adapts, predicts, learns and protects. No other company can do what we do – you can't put us in a box! But "Digital Transformation" is an empty buzz phrase without a culture that allows for innovation, creativity, and yes, even failure (if you learn from it.)

So, you have colorful hair? Don't care. Tattoos? Show off your ink. Like polka dots? That's cool. Pop culture geek? Many of us are. Passion for technology and world changing? Be you, with us!



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

d-fine



d-fine is a European consultancy firm with over 1,000 employees, distributed across seven offices in four countries. The focus is on quantitative issues and the development of sustainable technological solutions. d-fine's consulting approach is based on many years of practical experience driven by employees with analytical and technological skills. This combination has proven itself with more than two hundred clients across all sectors of the economy, thanks to its custom-fit, efficiency and sustainable implementation.

To expand our consulting team, we are looking for students/graduates of physics, mathematics, computer science or natural sciences, engineering and economics with quantitative or technological specializations. You must have a very good academic record, be fluent in English and have a high mathematical and/or technological affinity. In addition to strong analytical skills and a result-oriented approach, we attach great importance to social competence. Team building instead of elbow society is part of our company philosophy and is reflected in project structures, employee development and incentive systems.

Our aim is that you feel at home with us and are motivated for the long term. That is why we offer you, in addition to exciting projects, a collegial team, attractive career and salary model, as well as a wide range of additional benefits, such as our extensive training program as part of the d-fine Academy.

d-fine

Find out more at: <https://jobs.d-fine.com/en/jobs/76/consultant-uk>

Da Vinci



Da Vinci is giving you a unique opportunity to find out more about our dynamic and fast-paced world!

We wish to let you experience what trading is all about. We feel there is nothing more fun than trading and we want to share our enthusiasm with you. We will introduce you to our organization, answer all of your questions and give you a glimpse of the ins and outs of trading through fun games.

If you love challenges, have a passion for the financial markets and like working with smart and motivated people, we hope to see you there!

DA VINCI

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

DRW



Join DRW at Oxford's Jobs for Mathematicians Fair!

We are a diversified trading firm innovating across both traditional and cutting-edge markets.

DRW

Find out more at: <https://drw.com/work-at-drw/category/campus/>

EY

We're a professional services organisation that helps companies make better decisions about business, finance and technology. How? By asking better questions that help us all in building a better working world.

With 300,000 extraordinary people in more than 150 countries, working across four key business areas – Assurance, Consulting, Strategy and Transactions, and Tax – we're well-equipped to drive long-term value for our clients. And, as a motivated and passionate member of our team, you'll play a big part in our impactful work – no matter which business area you join. You'll help communities to thrive, while you thrive in a place where you belong. You'll have the opportunity to make your career your own, building opportunities for yourself. You'll have a chance to define and activate our purpose, delivering on our promises to help clients drive long-lasting strategies.

We offer Undergraduate and Graduate programmes, where you'll explore your interests while creating your own exceptional experience. So, if you're interested in making an impact on the working world, one of our programmes could be right for you.



Find out more at: www.ey.com/en_uk/careers/students

Flow Traders



Flow Traders is a leading global financial technology-enabled liquidity provider in financial products, historically specialized in Exchange Traded Products (ETPs).

We now have commenced the diversification of our market making activities into other asset classes, such as Foreign Exchange (FX), commodities, cryptocurrencies and fixed income. Flow Traders ensures the provision of liquidity to support the uninterrupted functioning of financial markets. This allows investors to continue to buy or sell ETPs or other financial instruments under all market circumstances. Our work continues to make investing cheaper and more accessible for investors across the globe. We continuously grow our organization, ensuring that our trading desks in Europe, the Americas and Asia can provide liquidity across all major exchanges, globally, 24 hours a day.

Founded in 2004, we continue to cultivate the entrepreneurial, innovative and team-oriented culture that has been with us since the beginning.

F L O W ■ T R A D E R S

Find out more at: www.flowtraders.com

G-Research



We are a leading quantitative research and technology 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/

Goldman Sachs



At Goldman Sachs, we connect people, capital and ideas to help solve problems for our clients.

We are a leading global financial services firm providing investment banking, securities and investment management services to a substantial and diversified client base that includes corporations, financial institutions, governments and individuals.



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

GSA Capital



With offices in London and New York, GSA combines a world-class proprietary platform with innovative thinking to develop and deploy systematic and process-driven investment strategies across all asset classes, geographies and timescales. We are a collaboration of approximately 160 people. 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. 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. 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: Summer and off cycle internships available for penultimate year undergraduate or postgraduate students.



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

IMC Trading



Are you in your final year of a mathematics, engineering or econometrics degree programme? Are you keen to learn more about a technology-driven trading firm?

At IMC, we've historically focused on pure, low-latency execution-based trading. But now, we're leveraging our world-class technology and trading expertise to run operational trading strategies. We've got our sights set on worldwide index options, and we're leading the charge on liquid worldwide indices. In addition to our robust broker network, we also provide liquidity to counterparties directly – including hedge funds, asset managers and other large market players.

IMC trades a wide range of financial instruments, in many different ways. This means we look for different types of traders; from the quantitative minds who enjoy the mathematical side of trading to more operationally focused personalities who thrive on interacting with brokers over the phone.

Our traders share one thing in common, though: they are at their best when solving complex problems. Their insights into global events, market shifts and pricing ensure we always trade in the right place, at the right time.



Find out more at: www.imc.com

Trading Institute of Mathematics and its Applications

The IMA is the professional and learned society for mathematicians. It supports the advancement of mathematical knowledge and its applications and promotes and enhances mathematical culture for the public good.

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

The IMA has offered Teacher Training Scholarships for a number of years to candidates with the potential to be inspirational maths teachers and ‘flag wavers’ for maths education. Teaching scholarships: register your interest via Scholarships@ima.org.uk

RECRUITMENT CRITERIA: Mathematical Sciences Degree or one with a significant Mathematical content

APPLICATION PROCESS: e-Student (free) is a simple on-line application form

Student Membership (£10 per year) is a simple on-line application through <https://my.ima.org.uk>

CONTACT FOR APPLICATIONS: membership@ima.org.uk; 01702356104



Find out more at: <https://ima.org.uk/> | www.mathscareers.org.uk/

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 and 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 bright, beautiful offices in the heart of New York, London, Hong Kong, and Amsterdam are open and buzzing with conversation. We come from many backgrounds and encourage travel between offices to share perspectives. 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. More than twenty years after our founding, it still feels like we're just getting started.



Find out more at: www.janestreet.com

Marshall Wace



GO LOOKING FOR CHANGE

We are looking for driven and avidly inquisitive individuals with a research scientist mindset, ready to challenge ideas and push through new solutions.

You'll be embedded as a researcher within one of the Systematic Investment teams where, from day one, you'll actively contribute to the development of our quantitative strategies.

ABOUT THE PROGRAMME

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 and participants tend to be one of the top students at their university. Previous associates are now involved in creating and optimising our signature systematic trading models.



Find out more at:

www.mwam.com/graduate/quantitative-associate-scheme/

Optiver



Optiver is a tech-driven trading firm and leading global market maker. As one of the oldest market making institutions, we are a trusted partner of 50+ exchanges across the globe. Our mission is to constantly improve the market by injecting liquidity, providing accurate pricing, increasing transparency and acting as a stabilising force no matter the market conditions. With a focus on continuous improvement, we participate in the safeguarding of healthy and efficient markets for everyone who participates. Our Amsterdam office is where it all began.

Over 35 years ago, Optiver's business started with a single trader on the floor of Amsterdam's European Stock Exchange. Since our 1986 founding, Optiver's Amsterdam office has grown into one of the most dynamic and exciting trading floors in Europe.

Our culture reflects the Dutch capital city's progressive, innovative and inclusive nature. With its unique spirit, Amsterdam is the ideal hub for our teams to trade a wide range of products from listed derivatives to cash equities, ETFs, bonds and foreign exchange.

Optiver 

Find out more at:

www.optiver.com/working-at-optiver/career-opportunities/

Oxford Asset Management



OxFORD Asset Management is an investment manager with a quantitative focus. We invest and trade world-wide, 24 hours a day using our proprietary algorithms and software. Our team of mathematicians, scientists and engineers work with the latest technologies to develop these algorithms and tools to navigate a wide range of markets. We tackle real world problems with an open mind, and draw inspiration from a vast array of sources.

We are always on the lookout for highly talented and ambitious individuals who embrace the challenge of solving complex problems. We're a growing company, and you'll be working with members of our experienced team from day one. People who join us gain responsibility quickly. We value clear thinking that leads to elegant solutions.

OxFORD
ASSET MANAGEMENT

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

QRT



Qube Research & Technologies (QRT) is a global multi-strategy investment management firm operating in all liquid assets around the world. We are a technology and data driven group implementing a scientific approach to investing.

Combining data, research, technology and trading expertise has shaped QRT's approach to deliver high-quality returns and build long-term results for our investors. Passionate about our work, we believe in collaboration, adaptability, and performance to solve even the most complex challenge and further learn and grow.

Investing in the future is what we do, and that applies to our teams too. With the brightest minds in tech, research, data analytics, and trading, we have a strong presence across both European and Asian markets with a view to expanding further. To achieve this, we always look for bright, outside-the-box thinkers that reflect our culture of innovation, teamwork, and a desire to be the best.

We welcome diversity and consider it essential to our success. QRT empowers employees to work openly to achieve collective success and a healthy work-life balance.



Find out more at: www.qube-rt.com/careers/

Softwire



Softwire is a successful software company with offices in London, Cambridge, Manchester and Bucharest. We deliver innovative, high quality software solutions in a range of sectors, including government, healthcare, financial services, media and not-for-profit, with clients including the BBC, the Cabinet Office and Google DeepMind.

We hire the brightest people, regardless of background, and give them the training they need to become great software developers. We look for projects which push boundaries and expand our expertise, and our technology-agnostic approach means our developers become multi-skilled, and comfortable working in a range of languages and environments.

Our friendly atmosphere, stimulating work and promote-from-within ethos are some of the reasons people love working at Softwire: we've been close to the top of the UK Best Companies list for 10 years in a row. We believe that everyone should reap the benefits of our joint efforts, so our salaries are extremely competitive and half our profits are paid out to staff. And we also provide plenty of opportunity to give back to local and not-so-local communities through charitable and pro bono work.

Softwire

Find out more at: www.softwire.com

Susquehanna International Group (SIG)



SIG is a global quantitative trading firm founded with an entrepreneurial mind-set and a rigorous analytical approach to decision making.

We commit our own capital to trade financial products around the world. Building virtually all of our own trading technology from scratch, we are leaders and innovators in high performance, low latency trading. Our traders, quants, developers, and systems engineers work side-by-side to develop and implement our trading strategies. Each individual brings their unique expertise every day to help us make optimal decisions in the global financial markets.

SIG's Internship and Graduate Programmes can be the start of a rewarding and challenging career, we have opportunities across Quantitative Trading, Quantitative Research, and Equity Research.

We open our applications in early September. SIG recruit on a rolling basis and strongly encourage early applications.



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

Teach First



We are an educational charity working to build a fair education for all. Education in the UK is not fair. In fact, 21% of young people do not pass GCSE Maths at Grade 4 or above and STEM subject teaching has a critical shortage of teachers. This unfairly impacts children from low-income backgrounds, hindering their potential and jeopardising the whole country's future.

That's why we're developing teachers and leaders of the highest calibre to make a difference where it's needed the most. We do this through our two-year graduate Training Programme.



Find out more at: www.teachfirst.org.uk/training-programme

The Phoenix Partnership (TPP)



TPP offer a variety of fulfilling roles for all types of graduates with unrivalled starting salaries (As voted for in this year's Job Crowd awards where we won 'Best Graduate Salary'). Not only that, but you will also receive generous pay reviews every year meaning your salary will rapidly increase even further.

No experience is required for any of our positions so as long as you are bright and eager to learn, you will fit in well at TPP.



Find out more at:

<https://tpp-careers.com/role-categories/graduates-postgraduates/>