



JOBS FOR MATHEMATICIANS CAREERS FAIR 2023

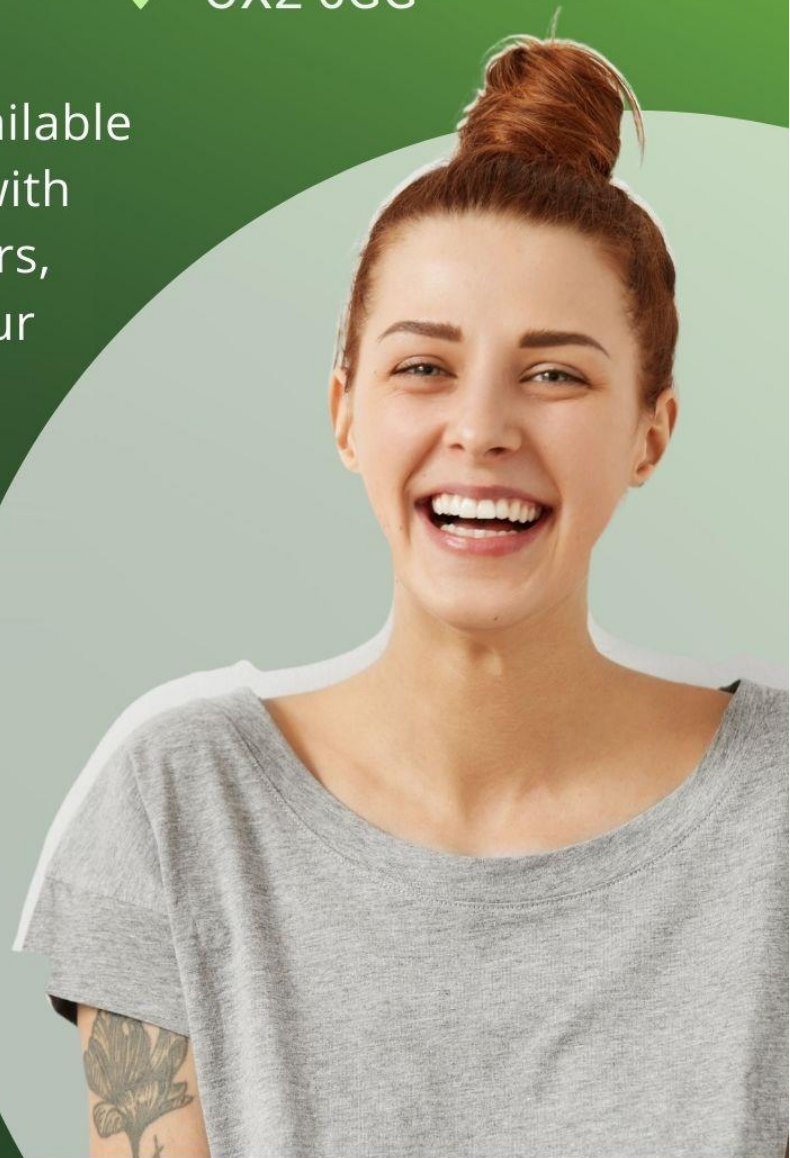


Wednesday 15 November
16:00-18:00



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.

www.careers.ox.ac.uk/jfm

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](#).

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APR



APR specialises in providing high quality actuarial solutions to assist clients when they need additional support. Our clients are characteristically large blue-chip UK financial institutions. The distinguishing features of our graduate scheme are early opportunities for direct exposure to our key clients, the variety of work gained by moving between different clients and different actuarial projects, and our genuine commitment to ongoing training and development of our staff.



Find out more at: <https://aprllp.com/apply-to-our-graduate-scheme/>

Balyasny Asset Management



Balyasny Asset Management L.P. (BAM) is a global institutional investment firm. We strive to deliver consistent, uncorrelated, absolute returns in all market environments by fostering a culture of research, innovation, and collaboration.

BAM exists at the intersection of finance and technology, combining the deep industry knowledge of leading portfolio managers and financial analysts with software engineers and quantitative researchers. We leverage the collective expertise of our teams to seek out new investment opportunities, analyze market conditions, minimize risk, and provide superior service to our investment partners.

With 1,800+ people in offices around the world, we embrace a culture that welcomes the free flow of ideas, promotes career development, and supports the health and wellbeing of our people through world-class benefits.



Find out more at: www.bamfunds.com/careers/campus-recruiting

Cisco



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



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

d-fine



... imagine the power of more than 1,500 physicists, mathematicians and computer scientists working as part of a European company with over 20 years of service excellence focused on data science, technology and mathematical modelling. That's d-fine.

d-fine

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

Da Vinci



Our Story

Da Vinci was founded in 2015 after a group of passionate trading experts found themselves desiring a new way of working.

At Da Vinci, our goal is to build the best proprietary trading house in the world. We strive to keep our work smart and creative, making the most of our team's strategic minds to challenge existing ways of thinking. We've established a unique approach to trading and culture, emphasising openness and collaboration across departments.

We specialise in solving market inefficiencies, identifying opportunities based on volatility arbitrage strategies and providing liquidity to the markets.

We are headquartered in the home of the world's first stock market, Amsterdam, and have just opened a second office in Mumbai. Today, we trade on the most prominent exchanges across South America, Asia and the US. Our vision is set on sustainable growth, with new offices opening abroad soon.

Our Vision

Becoming the best in the world means building a team of first-rate talent with the most innovative ideas. The real value comes from how we work and grow together and you can find traders, developers and researchers working side by side every day and enjoying every minute of it. We are non-hierarchical and support employees as they explore different paths to find where their passion and talent aligns. No matter their role, everyone is key to sustainably growing Da Vinci.

We value innovation and excellence in everything we do, encouraging employees to take ownership of their work. We believe that our colleagues must consistently feel stimulated and supported in order to reach their full potential and achieve our ambitious goals.

DA VINCI

Find out more at:

https://davincitrading.com/careers/?_sft_locations=amsterdam

DRW



DRW is a diversified trading firm with over 3 decades of experience bringing sophisticated technology and exceptional people together to operate in markets around the world. We value autonomy and the ability to quickly pivot to capture opportunities, so we operate using our own capital and trading at our own risk. Headquartered in Chicago with offices throughout the U.S., Canada, Europe, and Asia, we trade a variety of asset classes including Fixed Income, ETFs, Equities, FX, Commodities and Energy across all major global markets. We have also leveraged our expertise and technology to expand into three non-traditional strategies: real estate, venture capital and cryptoassets. We operate with respect, curiosity and open minds. The people who thrive here share our belief that it's not just what we do that matters—it's how we do it. DRW is a place of high expectations, integrity, innovation and a willingness to challenge consensus.

DRW

Find out more at: <https://drw.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.com/join-us/

GSA Capital



With offices in London and New York, GSA Capital 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 150 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: Internships available for penultimate year undergraduate or postgraduate students

Sponsorship: We offer sponsorship for suitable prospects



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

HSBC



HSBC is one of the world's largest, most diverse international banking and financial service organisations. With 3,800 offices in 63 countries and territories, HSBC serves 40 million customers in both established and emerging markets. They aim to be where the growth is, enabling businesses to thrive and economies to prosper, and helping people to fulfil their hopes and realise their ambitions.

As part of our Quantitative Finance Programme, you'll work with senior leaders and colleagues to find solutions that serve the needs of our clients by participating in a range of activities, projects, and networking events.

Your supportive team will assign you projects designed to develop your quantitative, analytical, and problem-solving skills in various application fields. These could be in areas such as derivatives modelling, financial products engineering, credit analysis, algorithmic trading or data science and machine learning.

Depending on your desk assignment, you could be working with clients, traders, structurers, or our risk teams.

Following successful completion of the Associate Programme, you could go into a specialist role that suits your personality and skills, working alongside like-minded colleagues who share a passion for supporting business decisions with solid analysis.



Find out more at: www.hsbc.com/careers/students-and-graduates

Hudson River Trading Europe Ltd



Hudson River Trading (HRT) brings a scientific approach to trading financial products. We have built one of the world's most sophisticated computing environments for research and development. Our researchers are at the forefront of innovation in the world of algorithmic trading. At HRT, we welcome a variety of expertise: mathematics and computer science, physics and engineering, media and tech. We're a community of self-starters who are motivated by the excitement of being at the cutting edge of automation in every part of our organization – from trading, to business operations, to recruiting and beyond. We value openness and transparency, and celebrate great ideas from HRT veterans and new hires alike. At HRT we're friends and colleagues – whether we are sharing a meal, playing the latest board game, or writing elegant code. We embrace a culture of togetherness that extends far beyond the walls of our office.



hudson river trading

Find out more at: www.hudsonrivertrading.com/campus-recruiting/

IMC Trading



IMC was founded in 1989 by two traders working on the floor of the Amsterdam Equity Options Exchange.

While today's industry is highly automated, back then trading was executed on the exchange floor by traders manually calculating the price to buy or sell. IMC was among the first to spot the importance of technology and innovation in the evolution of market making and invested early, helping shape the future of trading. That entrepreneurial spirit and innovative culture still drives IMC, which stands for International Marketmaker's Combination. In 30 years we've grown internationally, trading primarily on the basis of data and algorithms, and using our execution platform to provide liquidity to financial markets globally.



Find out more at: <http://carees.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 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, Amsterdam, and Singapore are open and buzzing with conversation. We come from many backgrounds and encourage travel between our larger and smaller offices to share perspectives. Some of our best ideas come from bumping into a visiting 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/

Newton Europe Ltd



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 never start out assuming we know the answer, but we're always certain we'll find it and see it through to the finish. By uncovering the data that means the most important decisions are made with facts, not opinions. By bringing together people who live and breathe delivering results. And by embedding in client organisations this same passion, self-belief and know-how to thrive on any challenge in the future.

We're currently looking for [Operations and Digital Consultants](#). When you join us in one of these roles, you'll work alongside a variety of clients to design and implement programmes that deliver real, sustainable change. You'll be working on site, from the shop floor to the boardroom and everywhere in between. Every mission and every client is different, but our model of work doesn't 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

Oliver Wyman



Oliver Wyman is a global leader in management consulting that combines deep industry knowledge with specialized expertise in strategy, operations, risk management, and organization transformation. Our mission is to help clients achieve lasting success by solving their most complex problems and seizing their biggest opportunities.

At Oliver Wyman, we are proud of the [values](#) that we aspire to live by. We are committed to creating an inclusive environment where everyone can thrive and reach their full potential.

Data & Analytics is a specialist business unit within Oliver Wyman, set up in 2017 in Newcastle-upon-Tyne and has since expanded across Europe, including Milan, Berlin, Madrid and Athens. The practice is a dynamic, fast-growing team of quantitative analytics specialists. We work closely with our colleagues across Oliver Wyman to cover a global footprint: Working across multiple industries including but not limited to Financial Services, Insurance, Retail and Transportation.



Find out more at: www.oliverwyman.com/

Optiver



Ready to accelerate your growth in one of the most dynamic and fascinating industries there is? Discover Optiver, a leading global trading firm powered by technical innovation.

For 35+ years, Optiver has been improving financial markets around the world, making them more transparent and efficient for all participants. With our focus on cutting-edge engineering, data science and research, we actively trade on 70+ exchanges, where we're trusted to always provide accurate buy and sell pricing – no matter the market conditions. To be not only active, but also precise, across such a volume of markets and products is a hugely complex challenge – which is exactly what we thrive on.

Are you someone who embraces constant innovation and strategic thinking in the pursuit of excellence? Learn more about Optiver's mission and opportunities via our career page.

Optiver 

Find out more at: <https://optiver.com/working-at-optiver/career-opportunities/>

OxFORD Asset Management



Investing, powered by scientific excellence.

We are scientists, software engineers and mathematicians based in Oxford and drawn from around the world. Our group of exceptional thinkers, problem solvers and creators take a scientific approach, combined with outstanding technology, to invest in global markets.

Exceptional, creative people

Our people come from many different walks of life, countries, and cultures. We are free thinkers who relish working together to find enduring solutions to complex problems.

We are rational, curious, and restless for improvements. We ask questions, challenge conventions and test limits. Our people are encouraged to use their initiative and follow their instincts.

Our group has a wealth of experience, accumulated over decades of investing through market cycles and global events. Our teams are small and focused; everybody has an opportunity to make a real impact.

Together, we enjoy tackling issues creatively and with open minds.

Centre of excellence

Our offices are located in the heart of the city, surrounded by the colleges and faculties of the University. We work to the highest standards, advancing the frontiers of our field.



Find out more at: www.oxam.com/join-us/

QRT



Qube Research & Technologies (QRT) is a global quantitative and systematic investment manager, operating in all liquid asset classes across 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 collaborative mindset which enables us to solve the most complex challenges. QRT's culture of innovation continuously drives our ambition to deliver high quality returns for our investors.



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

Smith Institute



Our vision is to **bring the boundless potential of mathematical ingenuity to the everyday world**. We know that mathematical approaches coupled with data exploration are key to tackling real-world challenges, to finding the solutions that transform industries and enable societies, businesses and governments to thrive.

From [improving the performance of railways](#) to [meeting Carbon Zero targets](#), [forecasting crop growth](#) to [verifying radio spectrum auctions](#), we've been tackling our clients' most critical and complex problems with bespoke solutions [for over twenty years](#).

The possibilities of harnessing mathematical tools are infinite; we enable transformation for our clients across a variety of sectors, applying specialist domain knowledge paired with fresh thinking in **transport, energy, defence, security, FMCG** and **radio spectrum**.

Boundless potential

Where there's no single strategy to fit all, we offer independent and bespoke consultancy to acquire a deep understanding of the challenges that matter to our clients. We bring unmatched technical ingenuity to create the solution that enables them to achieve what they most value. Our exceptionally experienced team of consultants are passionate about delivering innovative work with lasting impact and, with a broad range of business experience, bring technical excellence to problems that matter. Our mission statement, **embracing challenges with integrity, solving them with creativity**, underpins everything we do and lies at the heart of our company culture.

Smithinstitute

Find out more at: www.smithinst.co.uk/careers/

Susquehanna International Group Limited (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, Technology, Equity Research and Trading Operations.

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



Teach First are a Times Top 100 graduate employer who are fighting to make education fair for every child. Unlock the potential in children from underserved communities – and the potential in you. Train with experts to become a teacher and leader.

Our graduate Training Programme is two years with an optional third year to complete a master's degree. Get a salary from day one in the classroom, gain a fully funded qualification in education and leadership, boost your career and make a difference to the pupils who need it most. Come and speak to us about our graduate and undergraduate opportunities.



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

The Phoenix Partnership (TPP)



TPP is a world-leader in Digital Health. From apps enabling patients to manage their own care to comprehensive hospital solutions, TPP delivers technology that connects everyone involved in healthcare delivery. For over twenty years, we have been applying the most advanced technology to provide a safe and secure environment to deliver care. Our aim is to improve access to healthcare data, making sure it is available whenever and wherever it is needed. We want to help people make the best use of that data, to empower clinicians and citizens, and to create the healthcare systems of the future.

TPP has been consistently recognised as an outstanding graduate employer. Since 2017, we have consistently featured in The Job Crowds' "Top Company for Graduates to Work For" and were the overall winners for 2022 in addition to being awarded 'Best Salary' and 'Best Benefits'. We have also been named in the Times Top 100 Graduate Employers list every year since 2019. 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.

We have lots of fantastic benefits here at TPP. These include:

- Fantastic holiday entitlement
- Regular social events
- Opportunities to travel internationally
- Life insurance
- BUPA Health, Dental and Travel cover
- £300 birthday meal allowance
- Pub Fridays

We are hiring people from all degree disciplines for various roles, such as Software Developer, Graduate Analyst, Account Manager, etc.; full time, year placements and summer internship positions are available.

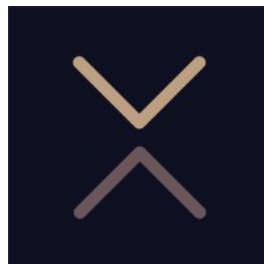


Find out more at: <https://tpp-careers.com/>

Xantium



Xantium is the global quantitative investment team that will give you the freedom and tools to excel as you start your career. We are researchers and developers who combine intelligence and curiosity with powerful data and technology. Together we build models and design systems to solve complex trading problems. We encourage people to be themselves. If you have a different thought or see a better way, we want to hear it. It's never about who's the smartest. A diversity of views makes our ideas stronger. Fast personal growth happens in a supportive environment. We give you the space to explore and experiment, providing help from our experienced team and founders when needed. What could we achieve together? Let's find out.



Find out more at: www.xantium.com/



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Instagram



YouTube

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