



JOBS FOR MATHEMATICIANS FAIR 2025



Tuesday 18 November
16:00 - 18:00



Mathematical Institute
OX2 6GG



www.careers.ox.ac.uk/jmf

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 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.

Pre-fair talk

[Join us - A Brief Intro to Jane Street](#)

15:30 - 16:00, at the Mathematical Institute



Come meet Jane Street - a global trading firm where they solve hard problems using technology and rigorous analysis. They are looking for humble, kind people who enjoy working together. No finance or trading experience needed - just bring your curiosity! Drop by to learn what they do, how they work, and what a career at Jane Street could look like. [Sign up for the pre-fair talk with Jane Street.](#)

Tips to make the most of the fair

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 and 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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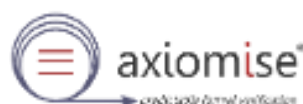
Axiomise



Axiomise is a leading formal verification training, consulting, and services company, working to transform how digital chip designs are verified. We are at the forefront of applying **formal verification**—a powerful, mathematically rigorous method used to prove the correctness of hardware designs—to help engineers build safe, secure, and reliable systems.

Formal verification involves using logic and mathematical proof techniques to verify that a hardware design meets its specification in all possible scenarios, not just the ones covered by traditional simulation. This eliminates entire classes of bugs and can drastically reduce the time and cost of bringing complex silicon chips to market.

We're looking for enthusiastic candidates with a background in computer science, mathematics, or electronic engineering who are excited by logic, problem-solving, and hardware design. Whether you're a graduate, postgraduate, or industry professional, if you want to tackle the most complex verification challenges and help shape the future of the semiconductor industry, we'd love to talk to you.



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

Brevan Howard



Brevan Howard Asset Management is one of the leading absolute return/hedge fund managers, overseeing assets on behalf of institutional investors from around the world, including pension funds, endowments, insurance companies, government agencies, private banks, and fund of funds.

Brevan Howard was founded in 2002 and launched its flagship global macro strategy in April 2003. The firm currently manages over \$34bn and engages predominantly in discretionary directional and relative value trading in fixed income, FX markets, and equities. BH Digital, a division within Brevan Howard that manages crypto and digital asset strategies was launched in 2022.

The firm currently employs over 1,000 personnel worldwide, including over 400 investment professionals. This global presence gives Brevan Howard the ability to identify and source attractive investment opportunities, as well as investment management talent wherever they may be. Brevan Howard has won several industry awards for excellence in risk management, operational robustness, and investment performance. The firm's main hubs are in London, Jersey, Geneva, New York, Austin, Hong Kong, Singapore, and Abu Dhabi.

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

Capula Investment Management



Capula Investment Management is a leading global hedge fund with an AUM of \$32 billion. We manage absolute return, enhanced fixed income, macro and alpha strategies for a diversified group of investors worldwide. Capula invests in a broad universe of asset classes, including fixed income, equities, currencies and commodities, as well as derivatives related to these asset classes.

We are looking for exceptional quantitative students to join our Trading and Research Summer Internship programme, which provides a fantastic opportunity to work with some of the industry's best traders and strategists across a diverse range of asset classes. This programme typically runs for ten weeks across June to August, and is held across all of global offices in London, New York, Tokyo, Singapore and Hong Kong. You will gain hands-on experience developing trading strategies, analysing financial data, and building models that drive real investment decisions. With structured training, direct mentorship, and exposure to global markets, this internship is for ambitious students eager to explore a high-impact career in quantitative finance



Find out more at:

www.capulaglobal.com/working-at-capula/careers/

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/jobs/Home>

Citadel & Citadel Securities



Citadel and Citadel Securities are global leaders in the financial industry, each playing a distinct yet complementary role in the markets. Citadel, one of the world's leading alternative investment firms, applies advanced quantitative research, technology and rigorous risk management to identify and capitalize on market opportunities across asset classes. Citadel Securities, a global market maker, provides deep liquidity and transparent pricing across a wide range of financial instruments, facilitating efficient markets for institutions, retail investors and corporations. With a shared commitment to innovation, data-driven decision-making and world-class talent, both firms continue to shape and advance global financial markets.

Find out more at: www.citadel.com/careers/open-opportunities

Da Vinci



Da Vinci is a proprietary trading house founded in 2015 and specialised in solving market inefficiencies, identifying opportunities based on volatility arbitrage and delta1 strategies and providing liquidity to the markets. We are headquartered in the home of the world's first stock market, Amsterdam, and we have offices in Miami, Hong Kong and Mumbai. Today, we trade on the most prominent exchanges across Asia and the US. Our vision is set on sustainable growth and collaboration across teams and offices.

We always keep our work smart and innovative and are building a team of trading enthusiasts. The key to our success is hiring not only intelligent but inventive, laser-focused and highly efficient individuals. Across all departments; trading, quantitative research and development alike, Da Vinci is made up some of the sharpest minds and most passionate players in the industry. We are non-hierarchical and support employees in exploring their interests and strengths, placing no limit on personal growth.

DA VINCI

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

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.



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

G-Research

Do you want to tackle the biggest questions in finance with near infinite compute power at your fingertips? G-Research is a leading quantitative research and technology firm, with offices in London and Dallas. We are proud to employ some of the best people in their field and to nurture their talent in a dynamic, flexible and highly stimulating culture where world-beating ideas are cultivated and rewarded.



Find out more at: www.gresearch.com/vacancies/

Goldman Sachs

Our firm is for those who insist on excellence, strive for performance, and thrive on opportunities to learn from the best.



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 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 students as well as Masters and PhD students

Sponsorship: We offer sponsorship for suitable prospects.



Find out more at: www.gsacapital.com

HSBC



We're here to use our unique expertise, capabilities, breadth and perspectives to open up new kinds of opportunity for our customers.

We're bringing together the people, ideas and capital that drive progress and growth, helping to create a better world – for our customers, our people, our investors and our communities.

Our purpose – Opening up a world of opportunity – explains why we exist.



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

Hudson River Trading Europe



Hudson River Trading 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 come from all sorts of backgrounds: mathematics, computer science, statistics, physics, and engineering. We're a community of self-starters, motivated by the excitement of being at the cutting edge of automated trading. 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.



Find out more at:

www.hudsonrivertrading.com/student-opportunities/

IMC Trading



IMC is a global trading firm powered by cutting-edge research and technology. Across our offices in the US, Europe, Asia Pacific, and India, our cross-functional teams of quant researchers, engineers, and traders collaborate to succeed. Our internships, programs, and Graduate Traineeship give students and graduates an unrivaled entry point into the industry.

High performers shape their own career paths, supported by mentors and managers every step of the way. Wherever you're based, you'll work closely with colleagues from around the world, with opportunities for extended visits and placements at other offices. No matter your level or background, there's nothing you can't achieve at IMC.



Find out more at: www.imc.com/eu/search-careers

Jane Street



Jane Street is a global trading firm with offices in New York, London, Hong Kong, Singapore, and Amsterdam. Our approach is rooted in technology and rigorous quantitative analysis, but our success is driven by our people.

We are always recruiting top candidates and we invest heavily in teaching and training. Our summer internships give you a real sense of working at Jane Street full time.

No finance experience needed. We look for a passion for critical thinking and creative problem-solving – people like you!



Find out more at: www.janestreet.com/join-jane-street/open-roles/

Jump Trading



Jump Trading is a leading global trading firm that combines sophisticated quantitative research, cutting-edge technology, and an entrepreneurial culture. Founded in 1999, Jump has over 1700 employees across offices in Chicago, New York, London, Paris, Amsterdam, Singapore, Shanghai, Hong Kong, and more.

Jump is still privately owned and funded, fostering a culture of intellectual curiosity and learning. Our people are some of the world's most brilliant minds with backgrounds from the trading industry, Silicon Valley tech companies and start-ups, top PhD programs and research labs.

We have a 25+ year history of investing in superior infrastructure, including custom hardware, software, wireless networks, and a world-class supercomputer. We leverage our proprietary technology to analyse massive data sets and identify trends in global markets across asset classes.

Work with world-class researchers, traders, and technologists

Jump's casual atmosphere and culture of continuous learning and innovation have attracted some of the most brilliant people from around the tech and trading industries, as well as top PhD programs and research labs.

Leverage incredible technology

We've built one of the largest supercomputers in the world so you can test your most sophisticated ideas, and we continuously develop custom software and hardware to help you get the most out of your models in the markets.



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

Mercuria UK LLP



Established in 2004, Mercuria is one of the world's largest independent energy and commodity groups, bringing efficiency to the commodity value chain with technology, expertise, and low-carbon solutions.

The company established itself as a leader in the energy transition by pledging more than 50 percent of new investments toward renewables and transitional energy. The group has made significant investments in projects such as renewable power, energy storage, grid optimization, critical transition minerals recycling and environmental products. In 2023, Mercuria launched Sylvania, with a \$500M capital commitment, a flagship initiative dedicated to nature and biodiversity protection and restoration.

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

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.



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

Qube Research and Technologies (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 our 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.

Over the years, QRT has invested in a global research and execution platform which has been deployed to cover all geographies and asset classes. This platform covers a broad spectrum from high to low frequency trading systems. We thrive at the intersection of cutting-edge technology, smart automation, and scalable processes, enabling us to move fast, think big, and deliver at scale.

We are committed to identifying and developing exceptional talent, and are inviting a new cohort of outstanding individuals to join us in the year ahead. Our internship offers a stimulating, intellectually rigorous, and high-performance environment, where collaboration is key to success. You will work alongside and be mentored by industry-leading professionals, gaining invaluable experience and positioning yourself for the opportunity to secure a full-time graduate role upon successful completion of the program.



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

Rokos Capital Management



Who are we?

RCM is a global multi-asset investment firm, focused on the pursuit of high, durable risk-adjusted returns for our investors. Our expertise spans strategies in all major asset classes and we draw on deep foundations in global macro trading. The key to what we do is synthesis. This requires close collaboration across disciplines, where macro and micro research is highly integrated with multi-asset trading expertise. Together, they form an investment ecosystem that drives opportunity-driven and decisive risk-taking across public markets.

Why work for us?

Our people are key to our success and we believe people work best in a positive learning environment. RCM's culture is underpinned by four core values: Trusted Talent, Challenge and support, collective excellence and sustainable success. Our values capture the principles that direct our behaviour. In practice this means that every day is high energy and purposeful. We're focused on delivering success at pace. We strive for excellence, We will set high standards for you and give you access to the people, resources and experiences to help you attain them. You will be given individual responsibility within a team structure. Collaboration is at the heart of what we do. It will be demanding and fulfilling, Within a short space of time you will develop and grow.

What is the opportunity?

You will have impact from day one. Impact, pace and teamwork are what defines us- we empower our developers to make important decisions and push our technical stack forward.



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

SourceWhale



Financial Times' fastest-growing software company in Europe (2025), SourceWhale is a group of really smart people solving productivity problems for people-intensive industries using AI and automation.

Founded in 2020, we are currently focused on automating the manual, tedious parts of sales and recruitment activities, empowering companies and their employees to get more done.

The platform consolidates every stage of the industry's work-flows into one sleek, integrated tool. Building alongside cutting-edge LLMs, SourceWhale is poised to be the company that puts the AI 'agent' in recruitment agencies.

Voted one of The Sunday Times' Best Places to Work (2025), we pursue innovation, champion employee wellbeing and offer fast-paced growth in a supportive transatlantic culture.

Our engineering team is on the lookout for highly-motivated problem solvers who want to transition from theorising to actually tackling complex challenges for a platform used all day, every working day by thousands of people. If that interests you, come and see us.



Find out more at: <http://sourcewhale.com>

Squarepoint



Squarepoint is a global investment management firm that utilizes a diversified portfolio of systematic and quantitative strategies across financial markets that seeks to achieve high quality, uncorrelated returns for our clients. We have deep expertise in trading, technology and operations and attribute our success to rigorous scientific research. As a technology and data-driven firm, we design and build our own cutting-edge systems, from high performance trading platforms to large scale data analysis and compute farms.

With offices around the globe, we emphasize true, global collaboration by aligning our investment, technology and operations teams functionally around the world.



Find out more at: <https://squarepoint-capital.com/open-opportunities?id=239376>

Susquehanna International Group Limited (SIG)



At Susquehanna, we approach quantitative finance with a deep commitment to scientific rigor and innovation. Our research leverages vast and diverse datasets, applying machine learning to uncover actionable insights—driving data-informed decisions from predictive modeling to strategic execution. Whether adapting state-of-the-art techniques from academic literature or developing entirely novel approaches, our algorithms are built to tackle the unique challenges of global financial markets—where textbook approaches are rarely sufficient.

Our culture is intellectually driven and highly collaborative. Our experienced engineering teams work closely with researchers to deliver robust solutions grounded in industry-tested principles and best practices. By investing heavily in both talent and infrastructure, we empower our teams to push the boundaries of applied research and deploy impactful innovations in real-world trading systems.



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

Teach First

Teach First is a leading education charity and top graduate employer. We offer a salaried, two-year Training Programme that supports you to become a qualified teacher and gain a fully funded PGCE. From day one, you'll be making a real difference in schools serving disadvantaged communities, using your maths skills to inspire the next generation. You'll receive expert support and leadership development, plus join a network of over 17,000 alumni making an impact in education, policy, business, and beyond. Whether you're exploring your options or ready to apply, come and chat to us about our graduate opportunities and our Taster Programme for undergraduates.



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

The Innovation Game (Uncharted Industries)



The Innovation Game (TIG) is the first protocol designed to accelerate algorithmic innovation by coordinating global intelligence.

TIG is underpinned by a novel proof-of-work mechanism paired with a crypto-economic incentive structure that enables optimisation of proof-of-work algorithms. This structure incentivises miners (benchmarkers) to identify the best performing algorithms, and motivates and rewards anyone worldwide who can contribute to algorithmic innovation.

TIG creates an open, collaborative and competitive ecosystem harnessing computational efforts across a wide spectrum of real-world challenges including cryptography, biomedical research, AI and climate science.

TIG is driven by the desire to direct the power of decentralised systems towards truly valuable purposes. By transcending limitations inherent in centralised entities, be they corporations or nation states, TIG can facilitate collaboration and achieve output on a scale previously impossible. Crucially, the protocol offers an alternative to the privatisation and monopolisation of algorithmic research, and accelerates open innovation in the most significant computational challenges in science and technology.



Find out more at: www.tig.foundation

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 2024 in addition to awards for 'Best Salary', 'Benefits' and 'Responsibility'. We have also been consistently named in the Times Top 100 Graduate Employers list.

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/>

Tower Research



Founded in 1998 by Mark Gorton, Tower Research Capital is a trading and technology company that has built some of the fastest, most sophisticated electronic trading platforms in the world.

Tower Research Capital has assembled a world-class team from the top educational and research institutions, and is currently hiring for a number of challenging positions across quantitative trading, engineering, and support functions.

A career with Tower is a chance to not only become an expert in the quantitative trading industry, but to shape its future alongside the people who are building it from the ground up. Our flat organizational structure means that all teams interact closely with Tower management and have the opportunity to influence new projects.

Entrepreneurial spirit is embedded in our DNA. Working here means that, in collaboration with the bright minds around you, you will be expected to tackle challenges old and new by thinking and learning at every step of the way.

Find out more at: <https://tower-research.com/>

Wincent



Wincent is a leading crypto market maker, responsible for ~1% of global crypto trading volume and over \$5B traded daily across centralized and decentralized exchanges. Since 2017, we've been building proprietary algorithms, ultra-low latency infrastructure, and tight exchange integrations using Rust and other robust technologies. We operate in a fast-paced, intellectually demanding environment where curiosity, autonomy, and analytical thinking are essential.

Our team includes exceptional engineers, quants, and physicists from top-tier universities including Oxford, Cambridge, ETH Zurich, and other world-class institutions. We collaborate closely across trading, research, and engineering to build systems that execute efficiently at scale.

We're hiring Software Engineers, Quantitative Researchers, and Traders eager to solve complex real-time problems. We also offer a hands-on Quant Internship for penultimate-year students. Join us to build, research, and trade strategies at the forefront of global crypto markets.



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

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.

XANTIUM

Find out more at: www.xantium.com/careers/interns_2026/