



# CAREERS IN COMPUTING FAIR 2024



Thursday 31 October  
15:00-17:30



Mathematical Institute  
OX2 6GG

Explore full time jobs, internships,  
and graduate opportunities with  
top employers in the IT and  
computing sector.



[www.careers.ox.ac.uk/ccf](http://www.careers.ox.ac.uk/ccf)

# Welcome to the Careers in Computing Fair

Meet recruiters, attend presentations, explore jobs, and find out about the wide range of opportunities in the IT and computing sector.

The graduate employment record of Oxford's undergraduate and postgraduate students is exemplary. However, we often hear from employers that they find it hard to meet our students, and often hear from students that they find the process of making career choices challenging.

As an Oxford student with skills in computer science, there are many organisations keen to recruit you! We hope that this event gives you the chance to meet employers and explore your career ideas.

[www.careers.ox.ac.uk/ccf](http://www.careers.ox.ac.uk/ccf)

## 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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## Ab Initio Software

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Ab Initio is a software company, headquartered in Boston, Massachusetts with offices all over the world. Our UK office is in Weybridge, Surrey.

You may not have heard of us, but our customers are among the largest companies in the world in industries such as financial services, telecommunications, transportation, healthcare and high tech.

Our customers use our enterprise software platform to build applications that tackle the largest and most complex data processing challenges. These applications are some of the most complex operational and analytical systems in the world - mission critical applications with demanding performance requirements.

The characteristics of these applications include the processing of huge volumes of data; low latency real-time applications; applications that dynamically reconfigure themselves based on their data and applications that scale as data volumes increase.

We are looking for Computer Sciences students who want to understand in detail how things work and who love to solve problems and have a fascination with data. 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: <http://www.abinitio.com/>

## Aimpoint Digital

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Aimpoint Digital is a market-leading analytics, data engineering, operations research, and Artificial Intelligence advisory and solution engineering firm. Aimpoint Digital is looking for talented individuals to join our growing team for a full-time position starting in July 2025!

New graduates will participate in our hands-on, in-person onboarding programme with other Data Engineers, Analytics Consultants, and Data Scientists to prepare for consulting engagements focused on delivering data and analytic advisory and solutions here at Aimpoint Digital. Applicants must either live within commuting distance of London, or be willing to relocate to London, to participate in this programme.

By participating in this programme, we anticipate this will better prepare you, our newest consultants, for project-based work at Aimpoint Digital. After completing your onboarding, you will jump into case work with our consulting teams as a full-time team member. This programme is designed to focus on the similarities and differences between classwork and casework – to give you the leg up when it comes to data literacy, interacting with clients, and delivering quality solutions.



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

## Aligned AI

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HQ'ed in Oxford, Aligned AI is a rapidly growing start-up AI fundamentals lab innovating to make artificial intelligence safe, ethical and empowering in both the long and near term and deliver these technologies to extend human potential.

We believe AI has the power to radically enhance human potential. We are working to ensure that the development of AI safely and democratically empowers every human being.

The challenge of getting AIs to follow human values not only must be solved, but can be solved, and will be solved.

We have put a mission-locked clause in our company charter that means we will never increase AI capability more than safety.

Aligned AI is female founded and led. It was rated by Fortune Magazine as one of the world's Top 50 Innovators in AI in November 2023 and winner of the CogX award for Innovation in Mitigating Algorithmic Bias.

Internship and graduate places are available.

ALIGNED AI

Find out more at: <https://buildaligned.ai/>

## Appian

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Before Appian was a company, it was an idea. Not about a product or a market, but about the culture needed to sustain innovation and value. Appian was founded on the belief that talented and passionate people, given the power and autonomy to excel, will deliver amazing results.

Today, we help you build apps and workflows rapidly, with a low-code automation platform. We combine people, technologies, and data in a single workflow to maximize your resources and dramatically improve business results.

Appian is the only recognized global leader across multiple enterprise technology markets, including low-code application development, digital process automation (DPA), intelligent business process management systems (iBPMS), and dynamic case management (DCM).

Our UK office is located at Level 25, 20 Fenchurch St, London EC3M 3BY.

The Appian logo, consisting of the word 'appian' in a bold, lowercase, blue sans-serif font.

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



# Archangel Imaging

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## Who We Are:

At Archangel Imaging, we develop AI and imaging solutions to enhance security and operational efficiency. Our mission is to push AI and autonomy to those who need it most. We're building intelligent systems to support critical operations and make the world a safer place. We collaborate with key players in aerospace and technology, including Network Rail, Ministry of Defence, and Nuclear Decommissioning Authority.

## What We Do:

We specialize in AI-powered imaging solutions for challenging environments, supporting defense, security, and industrial operations. Our products leverage machine learning and sensor tech to provide real-time insights and autonomous decision-making.

## Why Join Us:

Join our pioneering team shaping the future of AI and autonomy. We've been featured on Sifted's "Ones to Watch" list, were awarded a prize in xTechInternational 2024, won Genius NY's \$1M prize, and earned a \$100K grant from HUSTLE Defense Accelerator. We offer a dynamic, inclusive environment with opportunities for growth and hands-on experience. Visit [archangel.im/careers](http://archangel.im/careers) to explore opportunities. Stop by our booth to learn more!



Find out more at: <http://archangel.im/>

## Aurora Energy Research Limited

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From its academic roots, Aurora Energy Research is a thriving, rapidly growing company, currently serving over 600 of the world's most influential energy sector participants, including utilities, investors, and governments.

While we constantly strive to reach new markets and diversify our product portfolio, we are already active across the globe in Asia-Pacific, Latin America, Europe, and North America, working with leading organisations to provide comprehensive market intelligence, bespoke analytic and advisory services, and cutting-edge software.

We are a diverse team of experts with vast energy, financial, and consulting backgrounds, covering power, hydrogen, carbon, and fossil commodities. With this, we provide data-driven intelligence to fuel strategic decisions in the global energy transformation.



Find out more at: <https://auroraer.com/graduate-programmes/>

## Capula Investment Management

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Capula Investment Management is a global investment manager managing over \$29 billion. We manage absolute return, enhanced fixed income, macro and crisis alpha strategies for some of the world's most astute institutional investors. Our trading strategies encompass a broad universe of asset classes, fixed income, equities, currencies and commodities, and instruments.

We welcome 2025 summer internship applications across our offices globally (London, New York, Hong Kong, Singapore and Tokyo). This is a fantastic opportunity to work closely with some of the industry's most experienced traders. Working with a dedicated team, you will gain first-hand experience and be empowered to develop your skills and knowledge and play a vital role in shaping the success of our trading endeavours.

At the start of summer, you will join all other global interns for an 'Intern Orientation Week' in London. Throughout the week you will participate in training and activities that will help provide you with the skills and knowledge to excel during the internship.

For more information, please visit our website: <https://www.capulaglobal.com/>



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

## Da Vinci

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Da Vinci was founded in 2015 by three friends with significant experience and enthusiasm for trading and has been growing successfully ever since. We are a unique proprietary trading firm, focusing on volatility trading, arbitrage and market making across major exchanges worldwide. We identify opportunities, trade volatility based on in-house developed strategies and provide liquidity to the markets thus making them more efficient.

Our philosophy towards work is best captured by the saying "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. As part of our team, you will build trading algorithms, implement new strategies in the market, analyze trades, continuously improve how we do things and come up with new innovative ideas to contribute to reaching our ambitious goals.

## DA VINCI

Find out more at:

[https://davincitrading.com/careers/? sft locations=amsterd  
am](https://davincitrading.com/careers/?sft_locations=amsterd<br/>am)

## DRW

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DRW is a diversified trading firm innovating across both traditional and cutting-edge markets. We deploy sophisticated technologies to make markets more efficient, transparent and fair. This is possible because we have some of the sharpest engineers, technologists, traders and professionals in the world.



# DRW

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

## G-Research

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We hire the brightest minds to tackle the biggest questions in finance. We pair our people's expertise with machine learning, big data, and emerging tech to predict movements in financial markets.



Find out more at: [www.gresearch.com](http://www.gresearch.com)

## GSA Capital

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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 undergraduate or postgraduate students.

**Sponsorship:** We offer sponsorship for suitable prospects.



Find out more at: <http://www.gsacapital.com/>

## Hudson River Trading Europe Ltd

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At Hudson River Trading (HRT) we are mathematicians, computer scientists, statisticians, physicists and engineers. We research and develop automated trading algorithms using advanced mathematical techniques. We have built one of the world's most sophisticated computer environments, and our researchers are at the forefront of innovation in the world of algorithmic trading and machine learning.

HRT was founded in 2002 by computer scientists and mathematicians who believed that math and technology could transform financial markets. They developed the algorithms that became the foundation for HRT's continued success across global asset classes.

Today, we are global industry leaders, and a leading voice for fair and open markets. Our trading creates stronger markets for all investors, and all our work is built upon our rigorous code of ethics.



Find out more at:

<https://www.hudsonrivertrading.com/student-opportunities/>



## Jane Street

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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.

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.

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.

### London, Hong Kong, New York

**2025 Summer Internships:** Software Engineer, Quantitative Trader, Quantitative Researcher, Strategy & Product, Linux Engineer, FPGA Engineer, and other tech roles.

**2025 New Grad Opportunities:** Software Engineer, Quantitative Trader, Quantitative Researcher, Strategy & Product, Linux Engineer, FPGA Engineer, and other tech roles.

**Programmes:** First-year Trading & Technology Program, INSIGHT, IN FOCUS, Graduate Research Fellowship.



Find out more at: <https://www.janestreet.com/join-jane-street/overview/>

## JetBrains

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JetBrains is a global software company that creates professional software development tools and advanced collaboration solutions trusted by more than 15 million users worldwide. Since 2000, we have built a product catalogue that covers all stages of the software development cycle, major technologies, programming languages, and educational processes.

Our product range includes award-winning tools, such as IntelliJ IDEA, PyCharm, ReSharper, and PhpStorm, and productivity-enhancing team tools like YouTrack, TeamCity, and Datalore. JetBrains is the creator of Kotlin, the officially preferred language for Android™ development.



Find out more at: <http://internship.jetbrains.com/>

## Netcraft

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Netcraft is the global leader in cybercrime detection and disruption. We are a trusted partner for three of the four largest companies in the world, twelve of the fifty largest banks, and five of the world's largest country governments.

We have blocked over 170 million malicious sites and perform takedowns against one-third of the world's phishing sites. Our detection service leverages automation to identify various cyber-attacks across multiple platforms including phishing, fake social media accounts, employee impersonation, advance free-fraud, fake shops, and investment scams.

Our in-house experts continuously adapt to new threats, processing millions of reports daily. Netcraft's countermeasures are highly effective, performing a takedown every 15 seconds, making our median takedown time three times faster than the industry average.

Netcraft's purpose, passion and expertise are focused on one thing: protecting the world from cybercrime. Our people are highly talented, and everyone is valued for their own contributions. We have a successful university recruitment program, providing diverse work opportunities for interns and graduates. We don't have "pet projects" — you'll be given trust and responsibility right away, working on real products and services within the business.



Find out more at:

<https://www.netcraft.com/company/student-careers/>

## Newton

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Do you want to make a meaningful impact?

At Newton we are a consultancy that helps organisations realise their strategic ambitions, translating them into real-world outcomes. Specialising in the defence, consumer and public sectors, we need exceptional graduates like you to create bold, fresh thinking.

The challenges our clients face are highly complex, but the seemingly impossible is where we thrive. You'll work hand-in-hand with our clients, going as deep as it takes to find answers. It's more than hitting numbers or ticking boxes but delivering meaningful, measurable impact.

As a graduate, you'll progress at pace, and there's no limit to unlocking your potential. At Newton, we're building a community of exceptional people, one built on trust and shared experiences, of challenge and adventure. Collaboration is key, from spending time away onsite to regular whole-company days to tackling projects together. We're currently looking for operations and digital graduate consultants. Roles are open to applicants from all degree disciplines and can be based anywhere in the UK as you'll need to travel to UK-wide project sites.

We bring together exceptional people who drive development, motivating individuals to become better versions of themselves. **It's never easy, but it's always rewarding.**

Our consultants will be at the careers fair and would love to talk to you about graduate job and internship opportunities at Newton. Come say hi for your chance to help us unlock complexity and win Deliveroo vouchers to take home.

# Newton<sup>+</sup>

Find out more at:

<https://www.newtoneurope.com/careers/graduates>

# Optiver

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

# OxFORD Asset Management

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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/](http://www.oxam.com/join-us/)

## PE Limited

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PE Limited (also known as Petex) has been at the vanguard of oil and gas field modelling since its inception in 1990. The twin concepts of integrated modelling and digitalisation have revolutionised how oil companies throughout the world approach complex development decisions and production problems.

PE Limited is taking the experience gained over these years as a platform for substantial future expansion. As part of this, the company is relocating its HQ to Guildford. An office has been purchased and is currently being refurbished to high standards with capacity for many additional staff. We believe that we are at the cusp of a new phase in the development of the company, in which we will utilise the expertise gained in energy transition technologies and, ultimately, to technological advances in other industries.



**PE Limited**

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

## Pythia Sports

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Pythia develops proprietary predictive models of sporting events for the purpose of helping our clients achieve staggering returns on wagering. Our coverage of sports and locations has grown considerably since our inception, and currently we predict results globally for a range of competitions. We make use of everything, from classical statistics, to modern machine learning techniques, and work mostly in Python and MATLAB, but also R, VB, and C++, on a mix of on-premises and cloud-based machines. We are a hive of different profiles, but we are united by a spirit of boldness. At Pythia, whatever your skillset or your background, you will find like-minded individuals with whom you can think big and challenge the status quo.

Pythia helps businesses deliver innovations that drive technological progress for the benefit of sports & gaming. Whatever your career stage, you can expect opportunities to grow your expertise and convert your talent into meaningful impact.



Find out more at: <https://www.pythiasports.com/join-us/>



## Qube Research & Technologies (QRT)

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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: <https://www.qube-rt.com/>

## Reply

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Do you want to work on innovation topics such as Cloud Computing, Digital Media and IoT, and help advance industry leading businesses? Then welcome to Reply!

Reply is the place where colleagues learn from each other, grow together, and have fun together. Along with your team, you conquer current challenges, develop bold ideas, and celebrate successes.



Find out more at:

[https://www.reply.com/en/about/careers/uk/job-search?country=uk&role=career\\_starter](https://www.reply.com/en/about/careers/uk/job-search?country=uk&role=career_starter)

# Rokos Capital Management

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## Who are we?

RCM is a global alternative manager combining relative value and directional trading across global macro asset-classes to generate uncorrelated returns. Our core portfolio structure of intersecting product verticals is designed to deliver for investors in all market conditions. We have over 250 employees between our London, New York, Hong Kong and Singapore offices.

## 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 ND 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: <https://www.rokoscapiatal.com/careers>

## Sony Group Corporation

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Sony Group Corporation (Japan) is the headquarters of Sony Group Corporation worldwide. Our business includes electronics, games, devices, entertainment, network services and more. As a creative entertainment company, Sony seeks to use technology to unleash the potential of human creativity. For artists and creators who produce entertainment, this means supporting efforts to raise their creativity to the next level. And for people who enjoy entertainment, Sony aspires to transform their lifestyles. Our innovations will create a new culture which brings more inspiration to people's lives.

We have a variety of Japan-based internship and full-time opportunities available for STEM students & graduates from research and engineering disciplines. 95% of roles have NO Japanese language requirements, and we cover visas and relocation fees such as flights, travel insurance, and more!

Talented individuals from around the world play critical roles in our various businesses, and we will continue to become a more global organization in light of our journey ahead.

# SONY

Find out more at:

<https://sonyglobal.wd1.myworkdayjobs.com/en-US/SonyJapanCareers>

## The Phoenix Partnership

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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.



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

## The Trade Desk

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The Trade Desk is leading the way to the future of marketing by changing how advertising is bought and sold. Working with the largest brands and agencies around the world, our technology platform helps consumers discover products they want by enabling advertisers to effectively target and reach them on the right channels at the right time.

Employees join The Trade Desk to discover opportunity, contribute to our customers' success, and be part of building the future of marketing. At our award-winning workplace, you'll have the opportunity to work with creative, compassionate, and collaborative colleagues that share a passion for making the internet better for all – a combination that simply can't be beaten.

Our goal? To bring unparalleled sophistication to online advertising. And although we're a technology platform, it all starts with our team.

Our engineers are agile and build against the full stack. They bring new ideas to the table and work shoulder-to-shoulder with business and product to produce tech that was recently recognized by Forrester Research as "a better option for buyers." Our media traders have degrees in economics and statistics from top universities and many made the jump into advertising from careers on Wall Street. They're numbers people with a passion for pivots, and always up for a raucous session of ping pong. Our sales and accounts teams are advisors and strategists. They're deep on the details of our tech and a whole lot of fun at happy hour.

Sound like the kind of people you'd like to spend your days with? We invite you to come and make an impact.



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

# Xantium

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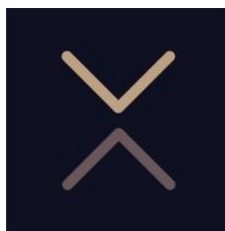
Xantium is the global quantitative investment team that will give you the freedom and tools to excel as you start your career.

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:

<http://xantium.com/careers/oxfordcomputing>