Virtual

# CAREERS IN COMPUTING FAIR

MONDAY, **25 OCTOBER 2021**
STANDS LIVE: **12:30-17:30**

Attend presentations, browse jobs, and meet top recruiters in the IT and computing sector.

UNIVERSITY OF
OXFORD

CAREERS
service

# www.careers.ox.ac.uk/fairs

# 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 a large number of organisations keen to recruit you! We hope that this event gives you the chance to meet employers and explore your career ideas.

A broad range of organisations will be attending the Computing Fair, including those dealing in computer systems and hardware, cybersecurity firms, software houses, consultancies, research institutes and professional services organisations from a variety of sectors.

# Top tips

Use this booklet to plan your fair tactics:

- Check who is attending and read their booklet entry before you speak to them.
- Plan some questions to ask e.g. what are the pros and cons of their work? Or, what tips can they give you to increase your chances of being selected for work experience or employment?
- Be keen and attentive – first impressions count!
- Talk to as many people as you can.
- Remember to record who you spoke to and key points of your conversations.

# Attending organisations

# APPIAN

Appian helps organisations build apps and workflows rapidly, with a low-code automation platform. Combining people, technologies, and data in a single workflow, Appian can help companies maximise their resources and improve business results. Many of the world's largest organisations use Appian applications to improve customer experience, achieve operational excellence, and simplify global risk management and compliance.

As an Appian Associate Consultant, you'll build and deploy web-based applications on the Appian platform to support our customers' business strategies. From implementing the first business process management application to scaling up the program across the enterprise, you will bring our low-code platform to life.

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

# BLOOMBERG

Bloomberg unleashes the power of information and technology to organize, understand, and improve our world. Our 325,000+ global customers rely on us to deliver accurate, real-time business and market-moving information that helps them make critical financial decisions.

Find out more at: **www.bloomberg.com/company/what-we-do/**

# CISCO

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

We connect everything – people, process, data and things – and we use those connections to change our world for the better. We innovate everywhere - From launching a new era of networking that adapts, learns and protects, to building Cisco Services that accelerate businesses and business results. Our technology powers entertainment, retail, healthcare, education and more.

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

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

Cisco is an equal opportunity employer.

Cisco was named the #1 World's Best Workplaces! Yes, for the second year in a row! We've always known it, now the rest of the world does too.

Find out more at: **www.cisco.com**

# DISPERSE.IO

Ever wondered how skyscrapers like The Shard or The Gherkin are built? Disperse is a London-based startup using AI and computer vision to revolutionise the construction of iconic buildings around the world, including the UK's second tallest building - 22 Bishopsgate.

Join a creative, conscientious and proudly diverse community of software engineers, AI researchers, architects and designers dedicated to helping build the skylines of tomorrow.

Check out our opportunities in software engineering and computer vision on our careers page!

Find out more at: **apply.workable.com/disperse/**

# FLOW TRADERS

We are a leading global technology-enabled liquidity provider, specialized in Exchange Traded Products (ETPs). Throughout the years, Flow Traders has received the industry's recognition, winning numerous awards and has been a listed company since 2015. We are able to grow our organization further, thereby ensuring that our trading desks provide liquidity across all major exchanges, globally, 24 hours a day. Founded in 2004, we continue to cultivate the entrepreneurial and team-oriented culture that has been with us since the beginning.

As a technology company operating in a financial environment, we use our principal technology platform to quote bid and ask prices in thousands of ETP listings, currencies and cryptocurrencies etc. We stay ahead of the competition by focusing on technology and niche competencies in markets where every second counts. This requires access to the best information and the ability to respond instantly. To achieve this, our team of software developers works in partnership with experienced traders to identify and execute tomorrow's strategies.

Find out more at: **www.flowtraders.com/careers**

# G-RESEARCH

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

We hire the brightest minds in the world to tackle some of the biggest questions in finance. We pair this expertise with machine learning, big data, and some of the most advanced technology available to predict movements in financial markets.

Find out more at: **www.gresearch.co.uk/about/**

# GHYSTON

We are an independent software development company based in Bristol. Our small (but brilliant!) team develops software for many ambitious, forward-thinking organisations across the South West and beyond. We work across all industry sectors, using a variety of technologies, covering every aspect of technical discovery, build, implementation and support.

We put a huge emphasis on both client and employee happiness. We are dedicated to creating an environment where people love to come to work, winning Wylde IA's happiest workplace in Bristol award in 2017.

We have every employee perk you'd expect and more, and with no pressure to work long hours, everyone can take advantage of Bristol, consistently voted UK's best city.

Find out more at: **www.ghyston.com/careers**

# GSA CAPITAL

GSA is a collaboration of approximately 160 people. For over a decade, we have worked together creating and applying innovative technologies to solve problems in the investment management industry. Over 60% of our staff work in research or on developing technology necessary to enable and monetise our research. We are an eclectic mix of mathematicians, scientists, programmers, economists and a great deal more. We live by the scientific method in building quantitative models that analyse and predict real world behaviour. We implement algorithms based on these models to systematically invest in markets. At GSA, we reward people based on merit and excellence, not necessarily on experience. People who work here enjoy a culture of trust, innovation and scientific rigour. It is a friendly, open place where people are motivated because they enjoy what they are doing.

**Opportunities available**: Quantitative Strategists, Software Engineers, Algorithm Developers

**Graduates sought**: Students of all academic levels from STEM disciplines

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

Find out more at: **www.gsacapital.com**

# HANSON APPLIED SCIENCES

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Founded in 2013 Hanson Applied Sciences is a proprietary research firm that focuses on providing liquidity to sporting events around the world. Our core philosophy of tech-driven trading has allowed us to become one of the largest sports market-maker by volume in the world.

Our team is our greatest asset, giving them complete autonomy and the support they need to make an impact. Our structure encourages a culture of edge, mastery, and collaboration, all pulling together to solve some of the most complex undiscovered computer science challenges.

Our engineers work on building low latency complex pricing computation using Rust. If you are interested in building technology that supports complex trading algorithms or designing trading strategies please get in contact.

Find out more at: **www.hanson.as**

# HORUS SECURITY CONSULTANCY LTD

Horus is a leading intelligence and security consultancy with a global, multilingual team of unrivalled experience, insight and operational expertise. We have a worldwide footprint with offices in London, Singapore, Austin and our main HQ in Oxford and deliver a range of security services, including Security Screening, Investigations, and Travel Security, to sectors ranging from academic to technology and from banking to pharmaceuticals. Our staff are not only highly experienced but are accredited by the key security industry bodies for their work, ensuring that the highest quality and best practice is delivered at all times.

Find out more at: **www.horus-security.co.uk**

# HUAWEI TECHNOLOGIES RESEARCH & DEVELOPMENT (UK) LTD.

Founded in 1987, Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices.

We have more than 194,000 employees, and we operate in more than 170 countries and regions, serving more than three billion people around the world. Huawei is a private company wholly owned by its employees.

Through the Union of Huawei Investment & Holding Co., Ltd., we implement an Employee Shareholding Scheme involving 104,572 employees. Only Huawei employees are eligible to participate. No government agency or outside organization holds shares in Huawei.

Find out more at: **www.huawei.com/uk/**

# HYBRID INTELLIGENCE

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

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

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

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

# IMC TRADING

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

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

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

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

Find out more at: **careers.imc.com/eu/en**

# JANE STREET

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

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

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

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

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

Find out more at: **www.janestreet.com**

# LIQUIDNET

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

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

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

We have opportunities in the following areas:

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

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

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

# LUMINANCE

Luminance is a Cambridge-based startup in the fast-growing Legal AI sector. We apply state-of-the-art Machine Learning and Natural Language Processing techniques to common legal tasks such as M&A Due Diligence, eDiscovery and contract negotiation. Since launching 5 years ago, we have picked up over 350 customers in 60 countries including over one-fifth of the global top 100 law firms. Along with 1000+ out-of-the-box concepts, our language agnostic technologies can learn directly from a client's data which has allowed them to work in over 80 languages.

Keeping up with the latest advances is a key focus of ours as we continue to push the boundaries of natural language understanding. We are actively hiring to a variety of Software Development teams, including a new research team focussed entirely on investigating, designing and prototyping blue sky ideas with applications in Legal Tech.

Find out more at: **www.luminance.com/careers.html**

# MARSHALL WACE

Technology is at our core. It's industry-defining and best-in-class, but we are striving for even more. You'll have the opportunity to work with cutting-edge technologies while learning from some of the best technicians in the business. As a technology graduate, this is a chance to accelerate your skill set and gain invaluable real-world experience.

Find out more at: **www.mwam.com/**

# NETCRAFT

Netcraft is a world-leading internet services company. In 2020 we were one of only three companies to receive a Queen's Award for Enterprise in respect of both Innovation and International Trade.

We provide anti-cybercrime services for nearly three hundred customers worldwide, including large Internet companies (e.g. Microsoft, Netflix), banks (e.g. HSBC, BNP Paribas), retailers (e.g. Visa, Marks and Spencer, Home Depot) and the British Government.

We also provide similar services to smaller companies at the sharp end of internet financial crime, including leading wallet providers (e.g. Blockchain), and several bona fide Nigerian banks.

Additionally, Netcraft performs security tests of websites and mobile applications, especially those that handle sensitive financial data, such as banks and shops.

Our services protect some of the world's most important institutions, and our phishing site feed is consumed by the major web browsers. In the UK we work with the National Cyber Security Centre to provide highly automated countermeasures against all kinds of cybercrime.

Find out more at: **www.netcraft.com/jobs/**

# 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.

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

# OCADO

Ocado Technology is putting the world's retailers online using advanced artificial intelligence, robotics, big data, the cloud and IoT. We develop the innovative software and hardware systems that power Ocado.com, as well as the unique '**Ocado Smart Platform**' which is being implemented by ambitious retailers across the world from Europe to America, Asia and beyond. With everything from websites to highly automated warehouses that we design in-house, our employees are skilled specialists with expertise across a wide range of technologies, working on cutting-edge innovations that are shaping the future of our society.

Not only are we looking for talented, 'outside the box' thinkers, we're also looking for people who reflect our values – people who can learn fast through experimenting; who are autonomous through taking ownership and driving innovation; we want people who will collaborate and work well in high-performing teams. We value trust, honesty, and craftsmanship.

Find out more at:

**www.ocadogroup.com/careers/early-careers/internships**

# OPTIVER

Thirty years ago, Optiver started business as a single trader on the floor of the Amsterdam's Options exchange. Today we are at the forefront of trading and technology, employing over 1000 Optiverians from over 40 nationalities in Amsterdam, Chicago, Sydney and Shanghai.

We stick to what we're good at: making markets in a wide range of financial products.

With 12 datacenters and thousands of servers world-wide we run tens of thousands of trading components, responding to changes within microseconds. We execute thousands of trades every day.

We visualise and analyse events occurring on the exchanges and within our own systems in real-time. Our network of distributed systems handles terabytes of data on daily basis.

All of our systems are developed in-house, predominantly using C++, C# and Python.

In our pursuit of excellence every move we make is a deliberate one. We look for technologists who care deeply about every line of code written, who understand the impact of their decisions, and seek immediate feedback on their work in our production environment.

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

# PHI PARTNERS

Phi Partners provides technology consulting services for Tier-1 investment banks, asset managers and hedge funds, including JP Morgan Chase, Royal Bank of Canada and Mediolanum.

Our specialist practices provide next generation technology transformations in multiple domains including Quant IT, DevOps and Cloud.

We house a Global Delivery Centre in Bucharest which has been established since 2008. From this centre we service our clients based in financial hubs around the world.

Our graduate programme places computer scientists on client estates within three months of joining, providing internal and on-the-job training at world-class institutions. We have a history of hiring from the University of Oxford and welcome students who are able to start in Bucharest at all graduation cycles.

Find out more at: **www.phipartners.com**

# REPLY LTD

Reply is a leading Consulting, Systems Integration and Application Management company, specializing in the creation and implementation of solutions based on new communication networks and digital media. At Reply, you will be exposed to some of the latest technologies - like Blockchain, Artificial Intelligence, Machine Learning, Cyber Security, Big Data, Robotic Process Automation, or Cloud Computing.

Reply unites more than 9,000 employees from all over the world – all of whom bring various backgrounds, contrasting perspectives and fresh ideas with them. Diversity strengthens our teams.

Flat hierarchies, open doors and open communication are important to us. Come on in! A culture of trust and congeniality awaits you. Everyone is invited to contribute ideas and spark discussions – regardless of title or position.

We offer tailored programmes for graduates with an academic background in IT/Computer Science or Mathematics, e.g. in the area of Software Development, Technology Consulting, DevOps Engineering, Data Science or Big Data Engineering. Don't hesitate to apply!

## Find out more at:

**ww.reply.com/en/about/careers/uk/homepage-starter?role=Career%20starter**

# SMARKETS

Smarkets is a peer-to-peer exchange for sports and political betting that has handled over £20 billion in trading volume since 2010. We have offices in London, Los Angeles and Malta with staff from 35 different countries.

Our goal is to upend the sports betting industry by creating a transparent platform that creates the best value for users with not only the fairest odds but also the best technology, alongside a superior customer experience. We've been able to achieve this as a result of our dynamic, self-starting company philosophy which puts the engineers in charge of driving change.

Find out more at: **smarkets.com/careers**

# SOFTWIRE

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

We are looking for graduate software developers and interns who want a challenging role in our highly successful and growing company. Our staff are among the smartest and happiest in the industry and they grow with us, learning diverse technologies and pursuing the type of work they find most interesting.

We offer a superb all-round package, including London starting salary of £40,000, with half of our profits distributed to staff as profit share. The working environment is friendly and relaxed and there are opportunities to engage in pro bono and charitable work too. We have featured in The Best Companies List every year for a decade.

We also offer internship opportunities with real-life, team-based software development work under the guidance of a dedicated mentor, and salary of £28,000 pro rata.

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

# SONY GROUP CORPORATION

As a creative entertainment company, Sony`s purpose is to "Fill the world with emotion, through the power of creativity and technology." In fulfilling our purpose, we constantly seek to discover synergistic relationships between the cutting-edge technology created by our world-class research and development teams and the groundbreaking entertainment crafted by our well-renowned and upcoming artists and creatives.

On the R&D side of our mission, the central focus is innovation, and we firmly believe that great work is accomplished through intrinsic motivation. So, we search for individuals with ambitious dreams that have the drive to bring their original ideas to the table and the technical skills to work alongside our teams to turn those dreams into reality. Our aim is that the research we conduct and the technologies we develop positively impact cultures around the world while bringing inspiration to people in all stages of life. With these foundational principles in mind, we are excited to continue trailblazing with inspirational talent from around the world, and we ask that you consider joining us on our journey ahead!

Find out more at: **www.sony.com/en/SonyInfo/Careers/japan/**

# THE PHOENIX PARTNERSHIP

TPP is a global digital health company. With over 7,000 organisations using our solutions to care for over 50 million patients, our software is used across all health and social care settings, including GPs, emergency departments, hospitals and mental health services. This means that wherever and whenever a patient needs care, a detailed and up-to-date record is available. No other company has a digital healthcare solution on this scale. Our database is one of the largest in the world. It processes a billion transactions daily – more than the London Stock Exchange and Visa combined.

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

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

Find out more at: **tpp-careers.com**

# TWO SIGMA

Two Sigma is a financial sciences company. We combine rigorous inquiry, data analysis, and invention to solve the toughest challenges across financial services.

We're looking for people who see beauty in data and the possibilities it reveals. Researchers who see connections and patterns in unexpected places. Engineers who build tools that channel massive amounts of data into insights. And experts across business disciplines to help solve the toughest challenges in investment management, insurance, market-making, private equity, and venture capital.

Begin your career at Two Sigma and apply online at **twosigma.com/careers**.

Find out more at: **www.twosigma.com**