



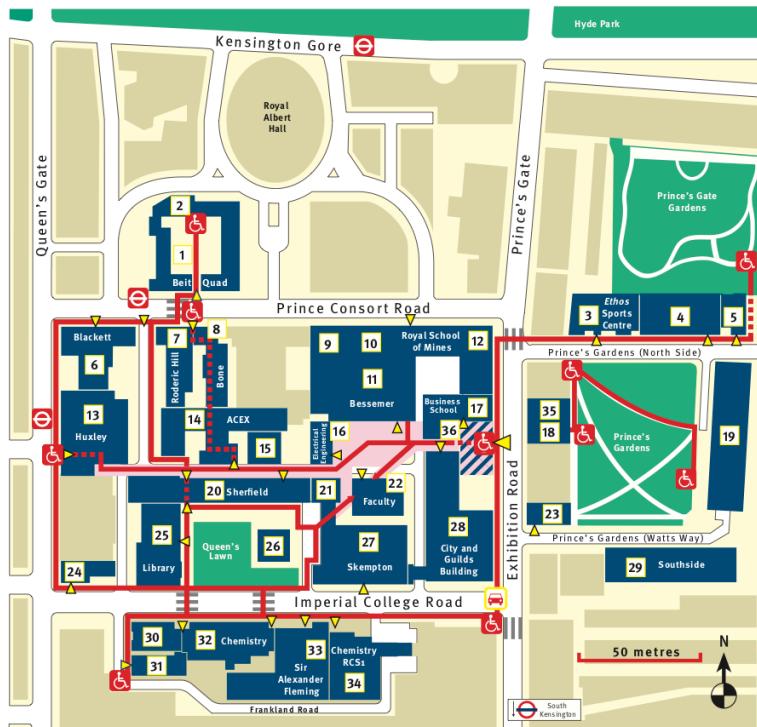
Freshers' Handbook

2020 – 2021

Campus Map

**Imperial College
London**

South Kensington Campus



Main walkway

Main entrance

Accessible route

Buildings where wheelchair access is not possible at this time

South Kensington Underground

Bus stops

Building entrances

Vehicle entrances

Beit Quadrangle

Imperial College Union

Ethos Sports Centre

Prince's Gdns, North Side

Weeks Hall

Blackett Laboratory

Roderic Hill Building

Bone Building

Royal School of Mines

Aston Webb

Bessemer Building

Goldsmiths Building

Huxley Building

ACE Extension

William Penney

Laboratory

Electrical Engineering

Business School

53 Prince's Gate

Eastside

Sherfield Building

Student Hub

Conference Office

Grantham Institute - Climate Change and the Environment

Faculty Building

58 Prince's Gate

170 Queen's Gate

Central Library

Queen's Tower

Skempton Building

City and Guilds

Building

Southside

Sir Ernst Chain Building - Wolfson Laboratories

Flowers Building

Chemistry Building

Sir Alexander Fleming Building

Chemistry RCS1

52 Prince's Gate

Alumni Visitor Centre



Welcome to DoCSoc!

Hello and on behalf of the entire DoCSoc committee, a very warm welcome to our society and Imperial's Department of Computing!

DoCSoc stands for the *Department of Computing Society* and is the social arm of Computing at Imperial.

We are run by DoC students, for DoC students, all to make your few years here as enjoyable and rewarding as possible.

We know that this year may be hard for a lot of people especially the freshers.

We normally run loads of fantastic social events such as free bar nights in the Union, our formal dinner, *Revel*, cinema trips, go-karting, and a whole bunch more which we hope to continue in the latter half of the year.

As well as that, we also have strong links with industry and host many talks and workshops from our sponsors, which are a great way to learn new skills and get in contact with your future employers.

We are also known for our famous annual hackathon, IC Hack, where developers from Imperial and beyond gather to build really cool technology in 24 hours.

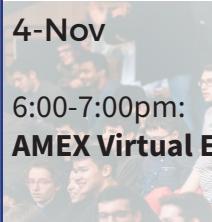
There's a lot more we do that we can't fit into this short space, so do read the rest of this handbook to find out more.

Rayan Hatout
President 2020/21

Hilliam Tung
Vice President 2020/21

What's On?

There will be a wide variety of academic, industrial, and social events throughout the academic year. Attached below is a **tentative schedule** for the events we would like to bring to you in October. Please refer to our Facebook page [DoCSoc](#) and [weekly digest](#)

Monday	Tuesday	Wednesday
5-Oct	6-Oct 6:00-7:00pm: Freshers' Games Night 	7-Oct
12-Oct 2:30-4:00pm: Mums & Dads Pub Quiz 	13-Oct	14-Oct 1:00-4:00pm: Sponsors' Exhibition 
19-Oct 3:00-4:00pm: Palantir Virtual Event 	20-Oct 6:00-9:00pm: Optiver Virtual Event 	21-Oct 6:00-7:00pm: Next Jump Virtual Event 
26-Oct 6:00-7:00pm: Escape Room Night 	27-Oct 6:00-9:00pm: G-Research Virtual Event 	28-Oct
2-Nov 6:00-7:00pm: Mums and Dads Dinner 	3-Nov 6:00-7:00pm: Arrival Virtual Event 	4-Nov 6:00-7:00pm: AMEX Virtual Event 

emails (sent to your inbox) for the exact event arrangements and updates. Keep reading this booklet to learn more about some of the events we have hosted in previous years.

esday	Thursday	Friday
	8-Oct	9-Oct
	15-Oct	16-Oct
	22-Oct 6:00-7:00pm: Netcraft Virtual Event	23-Oct
	29-Oct 6:00-7:00pm: LSEG Virtual Event	30-Oct
	5-Nov 6:00-7:00pm: Thought Machine Virtual Event	6-Nov

Getting Started

Sometimes, you might find that you need to get in touch with somebody outside of your coursemates, perhaps with personal issues, issues about the course, or just general queries you would like to know the answer to. There are various avenues and members of the department you can get in touch with if this is the case.

Mums & Dads

You're all each assigned two non-fresher undergraduate students as your "parents". There will be a lunch at the start of term where you can talk to them and from then on, you can go to them for advice on the course, or just have a chat with them if you want to.

It's a good idea to keep in touch with your parents as they can give you valuable information about the course and the university.

Year Reps and Dep Reps

The Year Representatives (known as Year Reps) are individuals from each year group who've been elected by that same year group to represent them. They're there to advocate on behalf of their electorate to staff. Department Representatives (aka Dep Reps) do a similar job but throughout all years. In the past, Year Reps and Dep Reps have managed to extend deadlines for coursework when there has been too much at once, and talked to lecturers who have forgotten to upload documents

for students. Year Rep elections happen in October, so if you are interested in making a difference, consider applying!

Tutors

Two professors will be assigned to you: one as a Personal Mathematics Tutor (PMT), and another as Personal Programming Tutor (PPT). They oversee your tutorial sessions, and one will also be your **personal tutor**, who you will have for the duration of the course and who you should go to if you are having any problems or require advice (e.g. illness, mitigating circumstances, harassment).

UTAs

Undergraduate Teaching Assistants, also known as UTAs, are older students assigned to you for your tutorial sessions. You will have three in total, for Programming, Logic, and Maths Methods. They will mark some of your assignments, and you will go through solutions together once a week in tutorials. Since UTAs are fellow students, they are happy to give advice about the course or university life.

Senior Tutor

Dr Maria Valera Espina is the senior tutor for all year groups, including first year. You should go to her if you are having any problems or require advice but do not want to, or can't, see your personal tutor. She can usually be found in Room 373 of Huxley, or you can email her at doc-senior-tutor@imperial.ac.uk.

Study

At Imperial, we play hard but we also work hard. If you wish to maximise your grades here, follow these top tips for success.

Pre-read lecture notes

Going through notes before lectures increases how much you will understand during the lecture and how much you will remember for the exams; this is especially important if you are having difficulty understanding lectures.

Go through past papers as soon as possible

There are no official solutions to Computing past papers so you'll have to create most of them yourselves - this takes time, but in the end is more rewarding as you get the satisfaction of understanding the problem fully.

Sit near the front of the lecture theatre

This helps to stop you from going on your laptop and/or phone during lectures and tutorials, making it easier to pay attention.

Avoid using laptops in lectures and tutorials

For the exact same reasons as above, you'll be tempted to go on it and not focus on the lecture; you're no longer at school and won't be punished for doing so.

Start assignments as soon as they are given

This stops you doing your work at the last minute which often leads to bad and/or incomplete coursework. Students often underestimate the time it takes to complete assignments, so starting it early helps you gauge how long it is going to take. As a rule of thumb, give yourself at least 1.5x how much time you think you need.

Ask the lecturer to clarify material you do not understand

If you don't understand a concept then ask the lecturer about it during, or immediately after the lecture. Lecturers are generally very approachable and encourage students to ask questions - they will not expect every student to understand every idea instantly.

Don't immediately use the model solutions

Your exams will require you to think on your feet - this is an integral skill you will have to learn here. However, it is still a skill — you will get better at it with practice. The best way of doing this is by completing the tutorial sheets without help, and then reviewing the lecturer's answers against your own. It may take some time for you to get into the swing of studying at university (which is totally different to studying at college or school), so don't worry if you don't adjust straight away. Just remember that by following these tips, your university life will become a lot less stressful.

Friends

Moving to university and knowing nobody can be pretty tough in the beginning.

Living in halls and joining societies are the easiest ways to get to know people at Imperial because there are loads of social events organised for freshers and things going on all the time.

Making friends on your course can be a little bit more tricky because it's quite hard to just approach somebody in a lecture, for example. So here are some tips to help you start:

Join DoCSoc events

Impacted by COVID-19, most of our usual events cannot be held as expected. However, we still try to bring the best DoCSoc experience to you by holding them virtually. Do join them and make friends! We cannot wait to see you in person when covid is over!

Spend your study hours wisely

There's plenty of opportunity to make friends during study hours! You will spend a lot of time each week with your PPT group so it's an ideal time to get to know each other. Plus, it will make these hours a lot more enjoyable. Go to your course tutorials and discuss questions with others: it's both a good way to learn and a chance to talk to coursemates.

Labs are not just for your timetabled sessions, you will see people in there doing their work, and hanging out

there is one of the easiest ways to make friends within the department (pre and post COVID). At the very least attend the timetabled labs because your coursemates will be there too! Outside of DoC, you can join societies run by the Imperial College Union. Clubs are another place where you can find people to talk to and spend time with. We advice you to check out different clubs and see which ones you are interested in joining.

Even if you do not go to society meetups very often, they are a good way to meet likeminded people. Finding people you get along with is often as good as an investment as studying, so take the time to do it! You will likely find numerous groups of people you will want to spend your time with during the first few weeks. Most people then spend their time with the group they get along with the best after that period. Remember, everybody is in the same boat upon starting university, so do not feel like you are the only one if you are feeling left out - the first few weeks are a great time to talk to absolutely anybody on campus so don't be shy!

COVID-19 may have moved events online, but it should not be a barrier to making new friends. Engage more with peers at halls or where you are at and meet more when you join us physically!

Courses

If you are on the four year MEng course, you are required to get an overall grade of 60% or higher during the second year to remain on it. If you are on the three year BEng course, you can switch to the MEng course during the first few weeks of third year provided you meet the above requirement.

There are seven specialisms to the MEng course: Computational Management, Artificial Intelligence, Computation in Biology and Medicine, Software Engineering, International Programme of Study, Games, Vision, and Interaction, and Security and Reliability. You will be required to take various optional modules during the course to graduate with one of these degrees.

To qualify for the International Programme, you will need to submit a form for it during second year - there will be an email sent to you during this time regarding it. Spaces are limited and applicants are usually chosen based on their academic performance. For the programme, you spend your third or final year in an institution overseas. Assessment during this time abroad is based on your performance in project work, coursework, and examinations at their receiving institution. If you are on the four year MEng course and wish to drop down to a three year course, this is also possible. You should speak to the head tutor or your personal tutor as soon as possible if this is the case so that they can help ensure you are making an informed decision.

Disability

If you have any kind of disability, see the Disability Advisory Service as soon as possible. They will discuss your disability with you and ask for proof you have it. In the event your proof is insufficient, or you do not have any, you will need to undergo a professionally administered test to prove it. For instance, if you claim to have dyslexia then a chartered psychologist will test you. You will typically not need to pay for the first test, but there will be a penalty cost if you miss your appointment and still wish to proceed.

When the Disability Advisory Service are convinced of your disability, you will then be able to contact the department's Disability Officer. There will be a meeting between various staff members on how the department will accommodate your needs. You will then be informed of the conclusion of the meeting. For example, if you have dyslexia then you will typically be given extra time in all your examinations.

Please note that your first exam will be half way through the first term, which is why it is important to notify the college about your disability as soon as possible. You will also be able to apply for the Disabled Students' Allowance. What you will get from this will vary according to your disability, but it will usually be a sizeable amount of support from the government. For instance, if you are dyslexic you will receive a cheap laptop and a dictaphone, amongst other things, if you do not already have them.

Fun

DoCSoc isn't all about ones and zeroes! We're also responsible for making your time at Imperial College London as enjoyable and rewarding as possible.

We achieve this goal by hosting a wide range of exciting social events every single year.

Bar Nights

One of our most popular recurring events, our free bar nights are known all across campus. Whether you drink or not, come and join us for an unforgettable evening of entertainment and socialising.



Outings in London

Whether you like cinema, theatre, ice skating, go-karting, paintballing (or all of them!) we always have something for you! We organise regular non-drinking social outings throughout the year.

International Trip

In 2019 we took a bunch of our members all the way to Prague! This was a brilliant way to explore a new country with friends and coursemates. Stay tuned for our destination this year!

Much, much more...

The fun doesn't stop there! Every term we put on a whole range of new and exciting virtual events at the meantime. We know how hard it is to join us at such a turbulent year and we hope these events help you enjoy until we get to a new normal.

IC Hack

IC Hack is our biggest annual event, and is the largest student-run hackathon in the country.

Last February, 450 budding hackers, ideators, and designers came together at Imperial to collaborate and bring their ideas to life in just 24 hours.

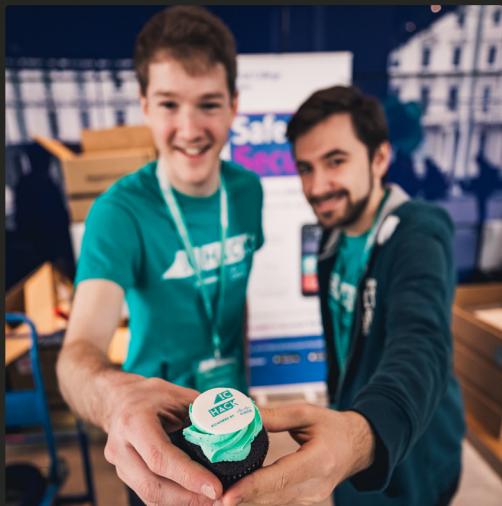
Not only did people hack, our generous sponsors also ran events from workshops to free drinks at the Union. There was karaoke, free food, and copious amounts of swag. At the end of the weekend, 10 of the best teams were awarded prizes, from Sennheiser headphones to Play Stations 4.

IC Hack will be back at the start of 2021 pending further guidelines. Stay tuned and don't miss out as tickets go quickly!



IC HACK 20

POWERED BY CISCO



Revel is our annual party and one of our largest social events of the year, which we held in collaboration with RCSU.

Always held in a swanky venue, Revel 2020 took place at Quaglino's at St.James's, one of the most ritzy European restaurants in London. We were entertained with talented Deejays and free drinks with canapés throughout the night!

Revel takes place in the Spring term, so stay tuned to see where we'll go next!





End of Year Dinner



DoCSoc's End of Year Dinner is held in the summer term, where we celebrate our achievements during the year with a posh dinner at a fancy venue, finished off with free drinks and a party.

The Dinner was a new addition in 2017 to our ever-growing list of social events, and it's proved to be a huge success, creating some unforgettable memories.

Held at Bluebird Chelsea in 2019, the evening started off with a champagne reception, followed by a delicious three-course meal. To end the night, we had an open bar and danced the night away.

The Dinner takes place in the Summer term towards the end of the year, so make sure you don't forget!



Meet the Committee

DoCSoc is made possible by a team of dedicated, elected student volunteers who work tirelessly to ensure that the year is packed full of exciting and useful activities!



Rayan Hatout

President



William Tung

Vice President



Rosemary Ng

Treasurer



Stefan Radziuk

Secretary



Philip Koo

Academic Events Coord.



Kriti Sapra

Social Events Coord.



Iulia Ivana

Postgraduate Officer



Chloe Lau

Marketing & Publicity Officer



Karan Obhrai

Webmaster



Alexander Concharov

Sponsors' Liaison



Jack Qiu

Sponsors' Liaison



Champion Pongpaew

Hackathons & Large Events
Coord.



Eugene Lin

Events Officer



Noor Sawhney

Events Officer



Sebastian Males

Events Officer



Vincent Wang

Events Officer

Our Sponsors

DoCSoc is made possible, in part, by the generosity of our sponsors, who not only provide us with fantastic events, but also the funding for recreational activities in the department. This year, we are sponsored by these fantastic companies in the following pages in the handbook. Be sure to come to the Sponsors' Exhibition to have a chat with our sponsors. Bring Lots of Questions!



American Express

GOLD

Why American Express?

There's a difference between having a job and making a difference.

American Express has been making a difference in people's lives for over 160 years, backing them in moments big and small, granting access, tools, and resources to take on their biggest challenges and reap the greatest rewards.

We've also made a difference in the lives of our people, providing a culture of learning and collaboration, and helping them with what they need to succeed and thrive. We have their backs as they grow their skills, conquer new challenges, or even take time to spend with their family or community. And when they're ready to take on a new career path, we're right there with them, giving them the guidance and momentum into the best future they envision.

Because we believe that the best way to back our customers is to back our people.

The powerful backing of American Express.

Don't make a difference without it.

Don't live life without it.



G-Research

GOLD

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.

We offer internships in Software Engineering, Quantitative Research and Data Analytics. For more information on the opportunities open to students please look here: <https://www.gresearch.co.uk/student-opportunities/>



Netcraft

GOLD

A world-leading security services company, performing penetration testing and anti-fraud services to critical institutions throughout the world. Netcraft wants to recruit software developers to its team based in Bath, England.

Projects involve working on a range of commercial services extending Netcraft's network exploration and internet security services.

Netcraft's services protect some of the world's most important institutions, and its phishing site feed is consumed by Google, Mozilla, Apple, Opera, and Microsoft. Important attributes in candidates include:

- A broad knowledge of internet technology, together with an attention to detail, and a desire to find things out empirically rather than rely on conjecture.
- A keen interest in network security, data mining, or web based user interfaces.
- Demonstrable programming ability and experience.
- Prior experience with any of MySQL, Perl, Python, Rails, Git, Puppet, Amazon Web Services, Javascript, CSS, or Unix systems programming would be helpful.

Apply by emailing your CV to cv@netcraft.com.



Next Jump

GOLD

Next Jump, as a 'Deliberately Developmental Organisation', is on a mission to create high-performing workplace cultures across the globe. People development is at the heart of everything we do. We follow this simple mantra:

Better Me + Better You = Better Us.

Next Jumpers improve themselves at work (Better Me) and use that knowledge to help others (Better You), together creating a better world (Better Us).

Headquartered in New York, based in London, our cutting-edge e-commerce platform is used by 30 million employees across Fortune 1000 companies and generates \$2 billion in sales every year. We use the revenue generated from this platform to fuel our social movement: changing workplace culture. With our technology, we help organisations from likes of JP Morgan Chase, the Military through to schools/charities, build adaptive learning teams.

Additionally, over the last year, our business has been adapting to the changing economic climate - continuing to find ways to fulfil our mission through introducing Community Online Academy to help organisations and individuals to learn, develop, keep fit, and have fun from home.

We're looking for driven and entrepreneurial individuals to join us! If you're looking for a 'not-your-typical graduate job/internship', then Next Jump's the place for you!



Thought Machine

GOLD

Thought Machine is solving one of the biggest problems in banking. Since we launched in 2014, our mission has been to liberate banks from outdated, legacy technology which makes it difficult for them to innovate in a world where the biggest tech brands such as Netflix and Spotify are operating in the cloud.

Our flagship product, Vault, is a cloud-native, core banking engine built to run any type of bank - from established global banks all the way to new challenger banks. Vault is used by the likes of Lloyds Bank, Atom Bank and Standard Chartered.

Every year, we hire many graduates for full-time roles, as well as students for 10-week summer internships and six-month industrial placements in London. You will work in a team with our front end and back end engineers, using cutting-edge technology to deliver both client-facing and internal projects.

You will develop ownership and responsibility for your own work and learn how to build software in an agile manner. You'll gain a wealth of knowledge, skills and experience while having lots of fun in our awesome work environment.

Join us and make an impact on our mission to revolutionise core banking!



DRW

Holdings

DRW is a diversified trading firm with decades of experience bringing sophisticated technology and exceptional people together to operate in markets around the world and across many asset classes. We value autonomy and the ability to quickly pivot to capture opportunities, and so we operate using our own capital and trading at our own risk.

Headquartered in Chicago with offices in the U.S. and Canada as well as Europe and Asia, we trade all the things you'd expect from a leading firm, including Fixed Income, Equities, FX, Commodities and Energy. We also have leveraged our expertise and technology to expand into three non-traditional strategies: real estate, venture capital and cryptoassets.

We operate with respect, curiosity and an open mind, and the people who thrive here share our belief that it's not just what we do that matters but also how we do it. It's a place of high expectations, integrity, innovation and a willingness to challenge consensus.

DRW is hiring. Learn about our full-time and internship opportunities at <https://drw.com/oncampus>.

SILVER BESPOKE



Facebook

SILVER BESPOKE

The chance to move fast, be bold and build products and services with impact has never been greater. At Facebook, we have a saying the journey is only 1% finished — join us as you begin yours.

We have tons of exciting opportunities available for university grads and interns who want to help us in our mission to bring the world closer together.



Liquidnet

SILVER BESPOKE

Spanning 46 markets across the globe, we are the global institutional investment network. Since 2001, we have revolutionized the way the world invests—we champion efficiency, intelligence, and sustainability.

We pride ourselves on standing at the nexus of Wall Street and Silicon Valley, but with fewer than 500 employees globally, we're more like a start-up than a traditional bank or overgrown tech giant. Our employees influence decisions, direction, and growth from day one, and are supported by the established and experienced credibility we've built for almost two decades.

Every day, our employees have opportunities for impact, growth, and success.

If this sounds like you, we seek intern and full-time talent in four key areas:

- Technology + Product
- Sales + Marketing
- Client Services
- Business Operations



Optiver

SILVER BESPOKE

Enjoy building exciting and competitive technology? Want to solve complex problems and have direct impact from day one? Do you like working with dynamic people in an international environment?

Start your career with Optiver in Amsterdam! Being a global leader in market making we build and maintain low latency trading systems that respond to market events in nanoseconds. As a leading technology-based market maker and liquidity provider, we are committed to improving the market by providing efficiencies for end investors. Using our own capital at our own risk, we trade thousands of financial instruments on more than 50 exchanges around the world, contributing to healthy markets and putting us at the forefront of technology and trading.

At Optiver, engineering is at the core of our trading strategies. Our systems

have to be fast, reliable and precise. Our engineers continually refine, store, and analyse hundreds of terabytes of data, enabling us to automatically price large, diverse sets of financial instruments with extremely low error tolerance.

Check our career page for Software Engineer Summer internship and fulltime graduate opportunities in our Amsterdam office! For any question feel free to reach out to Serena Riccomagno at serenariccomagno@optiver.com.



Bloomberg

SILVER

Bloomberg unleashes the power of information and technology to bring clarity to a complex world. Global customers rely on us to deliver accurate, real-time business and market-moving information that helps them make critical financial decisions. In a career at Bloomberg, you'll play a vital role in making it happen.

Our engineers and data scientists are dedicated to building and advancing new solutions for the Bloomberg Terminal and our wider suite of products. Our systems make an immediate impact on global markets. Our 5,500+ engineers are dedicated to building and advancing them. Together, we roll out new software daily that integrates seamlessly—and immediately—into our clients' workflows. We're looking for the brightest minds to come work with us and offer internships, placements and graduate positions.

Citadel

SILVER

Citadel is an investor in the world's financial markets and one of the world's alternative investment managers. For over a quarter of a century, we have sought to deliver industry-leading investment returns to clients. We help clients' capital fulfill its potential across a range of markets and investment strategies, including fixed income & macro, equities, quantitative, commodities and credit. Citadel Securities is a leading market maker, delivering an array of fixed income and equity products to banks, broker-dealers, government agencies, corporations, insurers, and sovereign wealth funds. Through innovation and efficiency, we provide liquidity with the goal of driving price discovery and making markets more competitive, open, and transparent.

Citadel and Citadel Securities are seeking intellectually curious students to apply for Quantitative Research, Software Engineering and Investment & Trading roles. Please join us across our virtual events series to learn more about our team and firm, as well as well as our full time and internship opportunities!

Face some of the most complex challenges of our time and test the limits of your talents alongside highly skilled teammates. We give you more responsibility and back you with greater resources because we

realize your potential for greatness. Open positions, unparalleled opportunities, apply now at: <https://www.citadel.com/careers/students/>.

GRAPHCORE

Graphcore

SILVER

Who are we?

Founded in 2016 by Nigel Toon and Simon Knowles, Graphcore is a semi-conductor scale up. Our teams have created a completely new processor designed for AI compute – the Intelligence Processing Unit (IPU). Over the last four years we've scaled rapidly, now employing over 400 people globally with our Headquarters based in Bristol.

What do we do?

We believe our IPU technology will become the worldwide standard for machine intelligence compute. Our IPU is a completely new processor and its unique architecture lets AI researchers undertake entirely new types of work, not possible using current technologies, to drive the next advances in machine intelligence.

Opportunities

We have some great opportunities, which are open to all year group students. This will allow you to gain some hands-on experience, and put your university learning into practice, with a 10-week summer internship with Graphcore.

Internship Applications for our HQ in Bristol open early 2021.

Interested in exploring opportunities, please visit: <https://www.graphcore.ai/careers>. If you have any questions, please email: student@graphcore.ai.



Jump Trading

SILVER

Jump Trading is a leading algorithmic trading firm built on cutting-edge technology, sophisticated quantitative research, and an entrepreneurial culture. Founded in 1999, Jump now has 700 employees across offices in Chicago, New York, London, Bristol, Amsterdam, Singapore, and Shanghai. 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 startups, top PhD programs and research labs. We have a 20-year history of investing in superior infrastructure, including custom hardware, low-latency software, wireless networks, and a world-class supercomputer. We've built custom technology to power our high-performance, distributed systems and to identify trends in massive data sets across global markets.

Apply for internships in Software Engineering, Embedded Systems Engineering, Data Engineering, FPGA / Hardware Development, Production Engineering and Web / UI Development.

We offer internships in:

- Software Engineering (C++, Python)
- Embedded Systems Engineering
- Data Engineering
- FPGA / Hardware Development



Microsoft

SILVER

No matter what your passion is, you'll find it here. Imagine the opportunities you'll have in a company with more than 100,000 employees in more than 100 countries, working on hundreds of products—spanning games, phones, developer tools, business solutions and operating systems. We work hard, but we value work/life balance, and each of us defines what that means to us. So why not explore what we do, where we do it, and what life is really like at Microsoft. You just might be surprised.

PDT PARTNERS

PDT Partners

SILVER

PDT Partners has had significant success over the past 25+ years as a quantitative investment manager by using a scientifically rigorous approach to develop and deploy trading strategies.

Our technology team consists of software, systems and data engineers. We're looking for bright and uniquely excellent engineers to be part of a talented and creative community. You may be able to help us as we strive to be one of the best investment managers in the world.

We're also committed to being a fantastic place to work. We have an open, supportive, and collaborative culture. Prior experience in finance isn't expected, but we do look for intellectual curiosity that runs deep. Our technologists work together in small teams on challenging real-world problems, contributing to our technology-critical algorithmic trading business. We build applications using C++, Python and Java, as well as the latest cloud and open source technologies.

If you are a MEng Computing Student looking for a 6-month Industrial Placement please send your CV to imperial2021@pdtpartners.com.

showcode[®]

ShowCode

SILVER

Welcome to Imperial! At Showcode, we're launching Unicode - an online university coding league where you'll go head-to-head with other students from around the world in bi-weekly coding challenges.

Join Team Imperial and compete for the chance to win a trip to San Francisco, and impress some of the UK's largest employers with your coding ability
<https://www.showcode.io/unicode/>.



StarLeaf

SILVER

At StarLeaf, we bring people together from anywhere with world-class video meetings. Whether it's meeting room systems or desktop and mobile apps, our intuitively simple, secure and reliable solutions make meetings effortless.

StarLeaf is a dynamic and vibrant place to work; we're growing fast, in an exciting and rapidly changing market. We've been in The Sunday Times Tech Track 100 for the last four years, and in 2019 we were recognized as a Visionary in the Gartner Magic Quadrant for Meeting Solutions.

And while a lot has changed since StarLeaf was founded in 2008, collaboration, creativity and inclusivity are still a key part of our culture. We believe everyone at StarLeaf has a part to play in our success and should be rewarded for their contribution. This is why every single permanent StarLeaf employee becomes a shareholder through the company's share option scheme.



TWO SIGMA

Two Sigma

SILVER

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. At Two Sigma, we're proud of our company culture: a collaborative and diverse environment that challenges and empowers our employees to find smart solutions to the world's hardest problems. We want to help everyone here grow and get better, so we offer a myriad of internal programs and initiatives that encourage teaching, growth, and mobility.

Our engineers build the tools and technologies that enable us to scale. Spend the summer working in a creative and hands-on environment that gives you the freedom to innovate, explore, and dig into unique and complex challenges.

Headquartered in New York City, we also have global offices in Houston, London, Shanghai, Tokyo, & Hong Kong. Begin your career at Two Sigma and apply online at twosigma.com/careers.



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At VMware, we believe that software has the power to unlock new opportunities for people and our planet. We look beyond the barriers of compromise to engineer new ways to make technologies work together seamlessly. Our software forms a digital foundation that powers the apps, services and experiences that are transforming the world. We enable organizations to flex and to harness new technology quickly, without disrupting operations. We streamline the journey for our customers to become digital businesses that deliver better experiences for their customers, that in turn drive growth. Our software helps employees simply and securely access the apps and data they need, from anywhere, to do their best work.

At VMware, you'll be inspired and challenged. You'll discover your path. And you'll join a culture of possibility. Work with our team and make a positive impact on customers and communities everywhere. We are looking for Interns and Graduate to join us as Software Development (R&D) in Bulgaria, Pre-Sales Solution Engineers in Barcelona, and Project Managers and Technical Account Managers in the UK.



CROWDSTRIKE

Crowdstrike BRONZE BESPOKE

At CrowdStrike, we stop breaches with our cloud-native endpoint security platform so our customers can go & change the world. Hackers don't stop- and neither do we.

CrowdStrike isn't just the next step in navigating your career—it's a quantum leap forward. Join us on our mission to stop breaches by checking out our Summer Internship Program!

Operating across multiple locations (Reading & London for the UK), our Global Summer Intern Program offers international collaboration, impactful projects, real-life scenarios, an executive speaker series and various social activities. Internship areas include Engineering, Data Science, Incident Response, Intelligence and much more. We even offer opportunities to secure graduate positions to continue your CrowdStrike journey!

If you'd like to secure your career with the global leader in cyber security, go ahead and discover an internship with us today.

BANK OF AMERICA

Bank of America BRONZE

Who we are

As one of the world's leading financial institutions, we support 66 million customers in finance, from individuals, to businesses, governments and institutions. With a 200,000 strong workforce in more than 35 countries, you'll find us all over the world, from the Americas to Europe, the Middle East & Africa and Asia, helping to make our customers lives better. And, we care about supporting our colleagues across the globe as much as our customers. In February 2019, we were ranked as one of the "100 Best Companies to Work For" by Fortune magazine and the global research and consulting firm Great Place to Work®.



IMC
TRADING

IMC Trading BRONZE

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.

Discover our internship and graduate opportunities at careers.imc.com.



Jane Street

BRONZE

Jane Street is a quantitative trading firm and global liquidity provider. Our trading is based on mathematical modeling and strategies and we use innovative technology, a scientific approach, and a deep understanding of markets to stay successful. With over 1000 employees in our New York, London, Amsterdam, and Hong Kong offices, that's a lot of ideas. Our next great idea could come from you; what will you come up with?



London

Stock Exchange Group

London Stock Exchange Group

BRONZE

London Stock Exchange Group (LSE.L) has a long, prestigious heritage that few organisations around the world can rival, dating back to 1698. Since then, we have grown to become one of the world's foremost financial market infrastructure and capital markets groups, and a global leader in new financial technology (FinTech). Headquartered in London, our geographic footprint extends to more than 25 cities worldwide, and more than 60 nationalities are represented by our 5000-strong workforce.

As we continue to expand and diversify, we are looking for the next generation of talented, ambitious graduates to help us shape the future of LSEG. You will get direct exposure to the exciting developments and innovations happening within finance and technology, putting your problem-solving skills to use and helping to drive our growth.

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Apply before 6 December 2020 to take your first steps towards a position on either our graduate or internship programmes. We do recruit on a rolling basis and encourage early application.



Palantir

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Palantir is a software company that builds the world's leading software for data-driven operations and decision-making.

More than 2500 Palantir employees work in offices around the globe, including in Palo Alto, Washington D.C., New York, London, Paris, Sydney, Tokyo, Abu Dhabi, and São Paulo. Palantir was founded in 2004 by three software engineers and a philosopher to help intelligence agencies make better use of data while preserving privacy and civil liberties. Our first product was Palantir Gotham, a platform that helps users find bad actors hiding in complex networks, such as terrorist cells, trafficking rings, and money laundering schemes. Our early success in government led us to work with commercial companies, international governments, and nonprofits. In 2014, we introduced Palantir Foundry, a platform that brings organizations together around data to transform how they operate. Today, we develop long-term partnerships with organizations, working together to help them realize the value in their data. Our partnerships power critical operations for defense and civilian government agencies worldwide and commercial companies in dozens of industries. We also donate our software and services to select nonprofits dedicated to improving human lives.

To learn more, visit www.palantir.com.



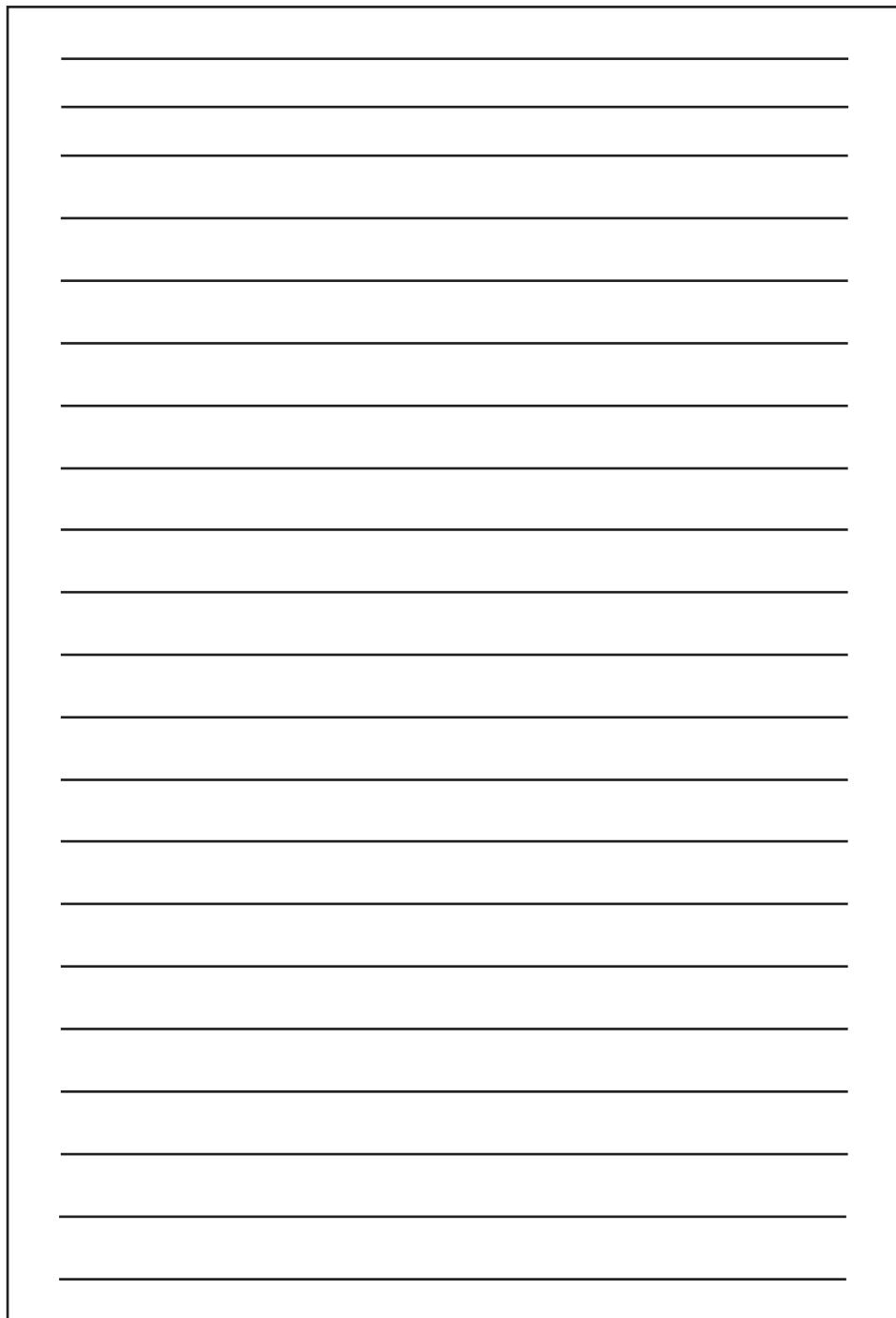


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Notes:









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