

Get into Tech

Technology career opportunities 2017

*The opportunity
of a lifetime*

pwc.com/uk/work-in-technology





Students voted us the number one Graduate Employer in *The Times Top 100 Graduate Employers* survey for the last 13 years.



We're a top 10 leading employer for IT according to *The Times Top 100 IT Employer of Choice*.



We're sponsoring the Science Museum's *Our Lives in Data* exhibition.



We're the UK's Graduate Employer of Choice according to *The Times*.



We've been named as one of *The Times Top 50 Employers for Women* for the last six years in a row.

As a progressive employer it's essential for us to have diverse and engaged people. That's why our people agenda is at the heart of our business strategy.

See our Women in Business blog:
pwc.com/uk/womenintech

“
There's never been a better time to get into the technology business. Digital is the new normal, transforming how we work and live. At PwC, as we focus on future innovations, we're investing in the best and most diverse talent of today and tomorrow. We're pushing forward with the use of technology within our own business – enabling our people to work more efficiently and collaborate more easily. All this is part of our commitment to put technology at the centre of our strategy as we continue to help our clients navigate the future digital landscape.”

Jon Andrews

Head of Technology and Investments, PwC UK LLP



As the world now relies on technology, we've shifted our focus to future innovations. So we're investing in the best and most diverse talent of today and tomorrow. We have the agility and ambition of a start-up, coupled with the client list and trusted reputation of a global name. Which means lots of backing, and multiple ways to get involved in projects that stretch your skills. We don't even mind what those skills are. Because we know that tech talent doesn't always have a particular degree; the wide range of technology services we offer our clients means we have a wide range of roles available. We're keen to hear from Science, Technology, Engineering and Maths (STEM) students as well as Arts and Humanities students. If you bring us the passion for technology, we'll give you the training, exposure, environment and a platform for your ideas. And it's all here.

We're aiming to recruit over a third more students into technology roles this year. We have many different roles but like-minded attitudes. Some of our people are big names in their field, all are high calibre. We create as many partners as we choose. You can go as far as you want and wherever your passion leads you. There are some surprising backgrounds among our tech talent. What none of them are is limited, and you won't be either.

To bring value to our clients, we need to provide the best advice around technological innovation. With us, you'll be at the forefront of new initiatives and explore emerging technologies and trends. Whether that's helping clients understand how technology can help them unlock their potential and protect their businesses, or using Big Data to provide insight and help steer strategy, this may be the right opportunity for you. Read on to find out more.

Join PwC. Take the opportunity of a lifetime.

*The opportunity
open to you*

Lucy





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Use your passion to get into Technology

We use technical and business knowledge to solve our clients' problems. And because we offer so many different technology services we need people with different experiences to help us deliver them effectively. That's why people join us from all kinds of degree backgrounds.

Maybe you're studying a Technology or IT-related subject and you know your Hadoop from your R and your Cloud from your Hana.

Or maybe you're studying an Arts, Humanities, Science, Engineering or Maths subject. We'll teach you the technical things you need to know. You just need to have a passion for technology and be willing to contribute early on.

No matter what your degree subject, we're looking for people who are excited about harnessing opportunities presented by emerging technologies and influencing business. And doing that in a world that's changing at an incredible rate.

See **page 8** to find out where you could fit in.



Technology on a large scale

Our size means we have partnerships with Google for Work, Microsoft Dynamics, Salesforce, and other leading technologies. It also means our infrastructure is amazing, with few legacy systems to hold us back. People here get to work with the biggest names in any sector and the work itself can be front page news. We're often the first to use new ideas or approaches – either our own, or something that's been developed by a third party which they approach us to help deploy. In smaller tech companies you might hit a career ceiling. But not here. There's always opportunity to rise in the fastest growing part of our business.



Cutting-edge tech



Front page news



New ideas



Limitless growth

Working at the forefront of emerging technologies

From Artificial Intelligence to Augmented Reality, Blockchain to Drones, Robots to the Internet of Things, and 3D Printing to Virtual Reality, we're on top of the megatrends. New technologies are emerging all the time, and we're helping our clients to explore how they can harness and use them to their organisations' advantage. That requires an entrepreneurial attitude, so we do things first and ask permission later.

For example, we've just opened a 'drone centre' in Poland, to find out how this technology can benefit our clients. We have purpose in what we do and edge in how we approach it.

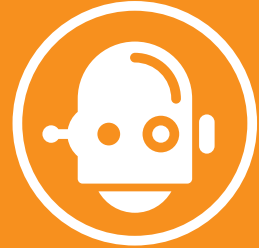
We created the Hive in our Belfast office. A dedicated space for imagining, creating, exploring and delivering digital transformation. It includes our first 'Innovation Lab' in Europe – a specialist hub to bring together the best talent from around our global network to tackle our clients' biggest business challenges.

We're also a major sponsor of the Science Museum's 'Our Lives in Data' exhibition, which explores some of the diverse ways that our data is being collected, analysed and used. From toys that learn the personality of a child to become a better playmate, to new virtual reality tools created by game designers to help researchers understand vast collections of data.

Emerging technologies



Blockchain



Robots



Artificial Intelligence



Internet of Things



Drones



Augmented Reality



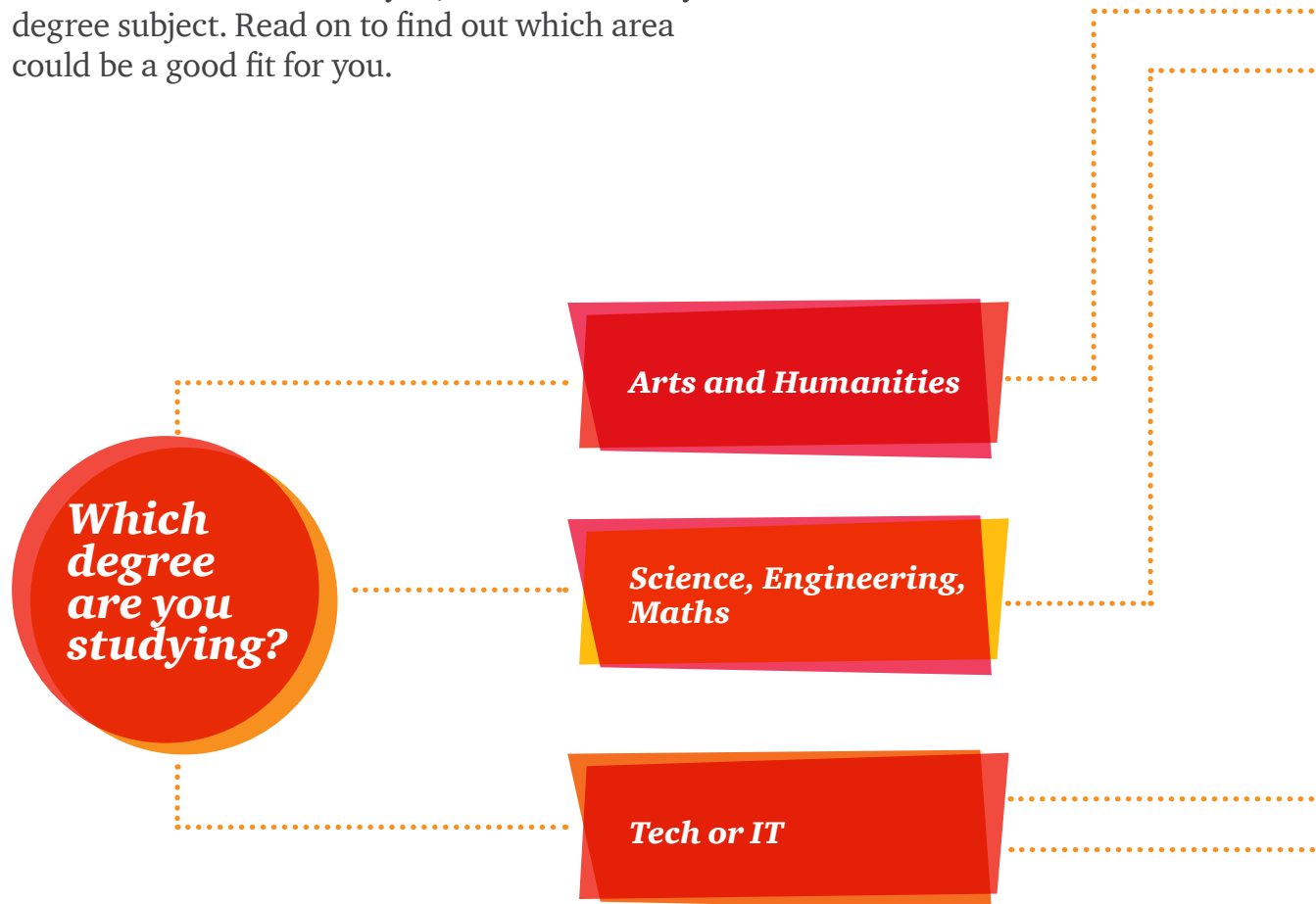
Virtual Reality



3D Printing

Opportunities in Technology

We need people who have a passion for technology – there could be a role for you, no matter what your degree subject. Read on to find out which area could be a good fit for you.



**Do you have
a passion
for IT and
Technology?**

Yes

Digital Trust ■

If you enjoy challenging situations, working on cutting-edge issues and have strong problem-solving skills, then our **Digital Trust** roles might be for you.

Data and Analytics ■

If you thrive on linking business performance with data and technology and the challenge of getting data from any system, understanding it and creating valuable business intelligence, then our **Data Assurance, Advanced Risk and Compliance Analytics** roles may be just what you're looking for.

Technology Consulting ■

Are you an excellent communicator who can understand technology and is able to convey this to others in a simple but effective manner? Then you might find our **Technology Consulting** roles attractive.

Cyber Security ▲ ■

If you have an analytical mind and are passionate about helping our clients secure their ecosystem, **Cyber Security** could be for you. If you want to be an ethical hacker in our **Threat and Vulnerability Management** team, you need to have a Tech or IT-related degree.

Forensic Technology Solutions ▲

If you're looking to develop your expertise in Forensic Technology, have an inquisitive mindset and a passion for technology, then our **Forensic Data Analytics** and **eDiscovery and Forensic Computing** roles are right for you.

No

Although you don't need an IT or Technology-related degree for most of our programmes, we're looking for graduates with the skills and passion for this area. You might want to look at our graduate brochure to find out what other graduate programmes we have on offer.

■ Open to all degree subjects

▲ Needs a Tech or IT-related degree

Working in Cyber Security

As the use of technology and connected devices increasingly touch our lives, businesses have become more digitised. This has meant that we've become more dependent on digital processes and data. And that's why we need cyber security. In an era where we share more information and transact digitally more often, we need to feel confident this is secure and that our information is not lost or compromised.

What we do

In our team, you'll be part of an international network helping organisations tackle one of the most dynamic and urgent issues they face: how to operate and grow safely in a progressive cyber ecosystem. We help our clients with detailed data and technical analysis, as well as advise senior management and boards in shaping a broader strategic response to cyber risk. Our specialists help clients reduce their exposure to cyber threats, improve their defences and respond to cyber incidents. We also help our clients address the legal issues around breaches, data protection and privacy, and implement a culture and environment where people understand how to behave securely and do the right thing.

It's a vast and complex field that involves everything from cyber security strategy and technical design, implementing effective security solutions and processes, to responding to cyber incidents and breaches.



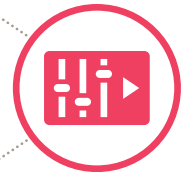
Detect network abnormalities



Respond to incidents



Apply threat intelligence



Work on industrial control systems



Ethical hacking

Hex marks the spot

In March 2016 a Middle Eastern shipping company was the victim of targeted piracy attacks. The pirates only stole from containers holding diamond jewellery, suggesting that they had access to documents that would provide the exact location of the ship's most valuable and portable cargo. The security company responding to this incident discovered that a web shell had been installed on the company's networks, enabling users to track vessels in near real time via GPS.

What you need

Tech or IT-related degree for Threat and Vulnerability Management

2:1

All other degree subjects

2:1

What you'll do

There are many options and opportunities in **Cyber Security**. For those interested in technology, systems and networks, you'll get to monitor and detect network abnormalities, respond to incidents, learn how to apply threat and corporate intelligence, work on industrial control systems, or perhaps become an ethical hacker in our **Threat and Vulnerability Management** team. You could be responsible for unpicking breach indicators from live memory captures, deploying host and network monitoring agents across an enterprise, reverse engineering custom malware samples or penetrating client networks and systems to find threats and vulnerabilities.

If you're interested and passionate about cyber security but feel more comfortable dealing in the business risk side, you'll help our clients understand the benefits of managing potential risks. This could include helping with strategy, evaluating their landscape, designing target operating models, or implementing new solutions.

It's a role where you'll help clients resolve the uncertainty, and manage complex cyber security matters they face on a daily basis.

Training and development

Whichever path you choose, as your skills develop, you'll get the opportunity to help coordinate an engagement team, develop new service offerings, or maybe help advise a FTSE 100 Chief Information Security Officer (CISO) on developing a cyber security programme. You could work with senior executives to help them understand the threats facing their organisation and responsibilities. You'll also have the opportunity to learn about some of our specialisms such as identity and access management, smart metering, payment security, threat intelligence, incident response, data protection and privacy, and people and culture change.

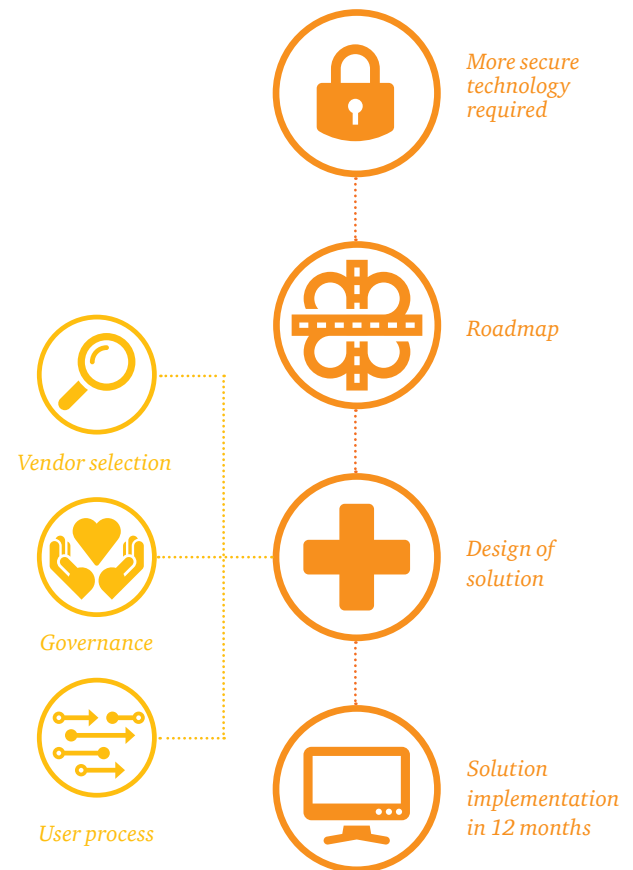
You may also have the opportunity to be sponsored through the MSc Information Security at Royal Holloway, University of London.

Cyber Security – client case study

Digitally revamping the student journey, safely

To help ensure appropriate security processes are in place, planning and executing the right architecture is essential. We worked with a top 25 UK university to transition them to a digital platform that had security in mind. Having spent over six years implementing an identity management solution, our client was running out of ideas. Starting with an assessment to understand their current state, we developed a clear strategy and roadmap to kick-off the design of a functioning solution. We also identified all the existing identity management technologies to plan for its safe disablement when the new solution was brought in.

In under 12 months we were able to implement what the university had been trying to achieve over the past six years. We designed a solution that defined their strategy and roadmap, vendor selection, redefined their key user processes, built an identity administration and governance solution, and created a single sign-on solution that complemented their wider digital programme. We also enabled our client to control and monitor key user processes, and users to connect to multiple devices.





Siming Associate

Joined 2014

BEng Electrical Engineering at
University of Liverpool

Master's in Wireless and Optical
Communications at UCL

Cyber Security

I didn't know that PwC was involved in cyber security, yet when I started researching after finishing my Master's, I saw they were recruiting roles in that area, and it sounded like a promising career.

I work with a team that's trying to prepare organisations to face potential cyber threats, by helping them protect their information and data whilst also preventing reputation and asset damage too. I love the variety of the projects I work on – I juggle perhaps two to three projects throughout the day. It's certainly never boring.

Cyber security is becoming much more important to businesses and in the years to come I want to become a 'go to' person in the cyber security field. PwC's a great place to work. You get lots of help from very experienced colleagues and there's impressive training and development. It's very people-focused and collaborative.

“
I'm getting exposure to projects that will help me become a 'go to' person in the cyber security field ”

Working in Technology Consulting

What we do

In Technology Consulting we work across all industry sectors, delivering projects from strategy through to implementation. Technology is at the heart of business and is often a key driver and enabler of change. We work with clients to define their vision and plan how to get there. We deliver the technological solutions organisations need to compete and grow. We build a lasting legacy of improvement and performance, partnering with best in class technologies and solution sets.

There are four different areas that you can join us in:

- **Chief Information Officer (CIO) Advisory** helps our clients understand and evolve the way they align IT with their business strategy. Once the right technology is identified, we help clients get the most from their investment and implement it, enabling their business to be leaner, smarter, and more agile, and get the benefits faster.
- **Digital and Emerging Technologies** are a community of makers. From designers to user-experience, mobile to complex strategies. We create integrated, end-to-end digital solutions, utilising cutting-edge technologies.
- **Enterprise Applications** brings together extensive business and technology backgrounds to help solve complex business problems. It uses innovative technologies such as Oracle, SAP, MS Dynamics and Salesforce to deliver success.

Multiple industries



- **Data Analytic Technologies** helps organisations to draw value and business advantage from their data and information. We help our clients with their business intelligence (strategy, transformation and solutions) through innovative and visually engaging analytics solutions that deliver genuine business insight, through to improving the underlying data quality and its accessibility.

What you need

Tech or IT-related degree

2:1

All other degree subjects*

2:1

*or 2:2 degree plus a Merit in a STEM Master's

What you'll do

Your structured development programme means you'll experience the different types of work we do and get exposure to the clients we work with. It might involve helping clients address business-wide change, potentially brought about by regulation or changing business demands, or setting transformation strategy and the underpinning technology. Or you could be involved in a detailed appraisal of a client's processes and systems, assessing their strengths and weaknesses. Whatever the project – this is one programme where you won't stop learning.

Training and development

A blend of formal and informal training will help you build your technical capabilities and expand your business network. A 'buddy' initiative, face-to-face networking events, training sessions – with both a business and technical perspective – are all part of your personalised training programme.

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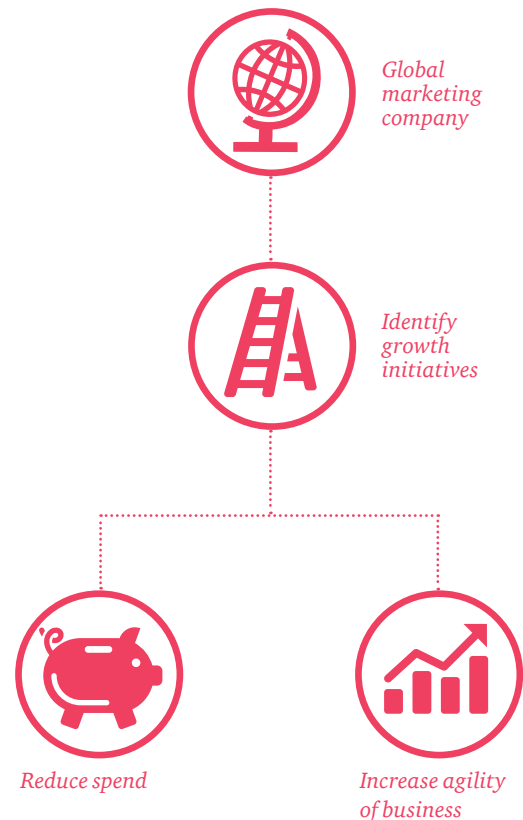
Technology Consulting – client case study

IT transformation – creating shared services to boost efficiency

Our client, a global marketing and advertising company, asked us to help them reduce the amount of money they were spending on technology and increase the agility of their business. The client also asked us to identify initiatives that supported their business growth strategy across the Asia Pacific and Latin America regions and ways to provide better services to their customers as a single global entity. To do this, we engaged the Chief Information Officers of the client's major global operating groups to identify how their IT services could be improved. By understanding the requirements of each group, we were able to determine which services were suitable to be shared across the groups. We proposed combining the IT services for our client's companies in order to increase efficiency.

Creating these shared services helped the client to identify a 14% reduction in the cost of IT services.

Our client was also experiencing challenges with a global customer who had questioned their pricing, and how effectively they handled their business. We evaluated the performance of ten of our client's US and UK agencies and compared these agencies against each other and a selection of professional services companies. This enabled our client to have more constructive discussions with their customers, and talk about their pricing and market position with more credibility.



“

*I've worked with some
incredibly talented
people”*

Judith Associate

Joined 2015

*BSc Business Management at
Queen's University Belfast*

Technology Consulting

A typical day for me starts with a 'huddle' where the team get together to discuss the progress, issues, and developments we face on a particular project. After this I get on with my tasks for the day.

I'm currently working within a local English council who want to rebrand themselves as 'resident first'. Implementing effective digital solutions is one of the main ways they hope to achieve this. So together, we've developed a platform called 'Engage', which will help facilitate the shift to digital and enhance the way in which customers interact with their council. This is an exciting project as the platform is a first of its kind, and will enhance and improve how citizens interact with the council, and vice-versa.

Since joining PwC I've been given so many opportunities to develop my skills and have been continually supported by the wider team. It's the people and the variety of work that have made the experience for me. I've worked with some incredibly talented people on some really interesting projects. It makes the job hugely satisfying when you feel like you're achieving something every day.



Working in Data and Analytics

We use data and analytics to help executives, employees, customers and suppliers make the right decisions. This could mean driving new growth opportunities, operating more efficiently or identifying and managing risks. We have opportunities to join Data and Analytics within Assurance or our Forensics business.

Data Assurance

What we do

You'll join our Risk Assurance practice creating exciting and innovative solutions that address the data and management information challenges of our worldwide clients across all industries, including both the private and government sectors.

What you'll do

As a national team of over 200 data experts, you'll find many of us work within our own regions, but there's also the opportunity to work across the UK and even abroad. Our data team works closely with experts in other specialist areas of our business too. This means you'll experience projects across a broad range of industries such as banking, insurance, manufacturing and telecoms. We provide objective assurance, insight and advice that enables our clients to understand their business better and provide practical solutions for improving their operational systems and processes.

You'll get to work on very technical assignments involving advanced analytics and data visualisation, as well as the organisational and operational aspects of data management such as governance and data quality management. This means that you'll develop the

technical, business and soft skills around the topic of data and analytics that our clients are demanding today.

Training and development

Through our tailored three-year training programme you'll develop the foundations to become a highly-skilled data and analytics professional. You'll also get the full support of experienced colleagues who'll help guide and shape your career, so that you're always delivering the best you can.

We always aim to make sure our graduates gain relevant external accreditations. We provide an accreditation for ACL (one of our data analysis tools) and also the ICAEW CFAB (Certificate for Accounting and Business). Together, these provide a good combination of accounting and business knowledge and technical skill that sets our data analytics professionals apart.

What you need

Tech or IT-related degree

2:1

All other degree subjects

2:1

Advanced Risk and Compliance Analytics

Our UK Advanced Risk and Compliance Analytics (ARCA) practice is a rapidly growing team within Risk Assurance. We provide data and analytics services to the risk and compliance functions of banks, insurance companies and financial institutions, both in the UK and globally. Since forming in 2014, we have grown from a team of five to over seventy, and have ambitious growth plans to match market demand.

As an analytics function, we help organisations harness their data so they can generate actionable insights, improve operations and achieve compliance against a plethora of regulations. As an Associate within our team, you'll have the opportunity to utilise your training in various market leading software applications to develop world-class solutions for a wide range of Financial Services businesses.

What we do

Our clients are primarily based within the Banking, Insurance and Investment Management sectors, allowing you to gain a thorough and detailed understanding of these areas within the world of Financial Services. An understanding of both business and data will provide you with a fantastic platform from which to launch a successful and fulfilling career.

What you'll do

- **Data and Analytics** – make sense of large and complex data to give clients a better understanding of their business. Our projects have helped clients understand employee behaviour, improve operational

processes and our data validation helps clients to have confidence in the data they use to make important business decisions.

- **Financial Crime** – work with financial institutions to improve their ability to detect crime (fraud, money laundering, terrorist financing and corruption) through designing and implementing risk and compliance models that help identify and investigate suspicious activities.
- **Visualisation** – help our clients better understand their data by capturing and presenting large amounts of data in a form that's easy to understand and analyse. Highlight details that might have been overlooked and maximise the value of the data held by clients.
- **Regulation and Governance** – assist clients in complying with regulatory demands, by helping them identify and implement the required controls, as well as working alongside them to provide accurate reporting to regulators.

Training and development

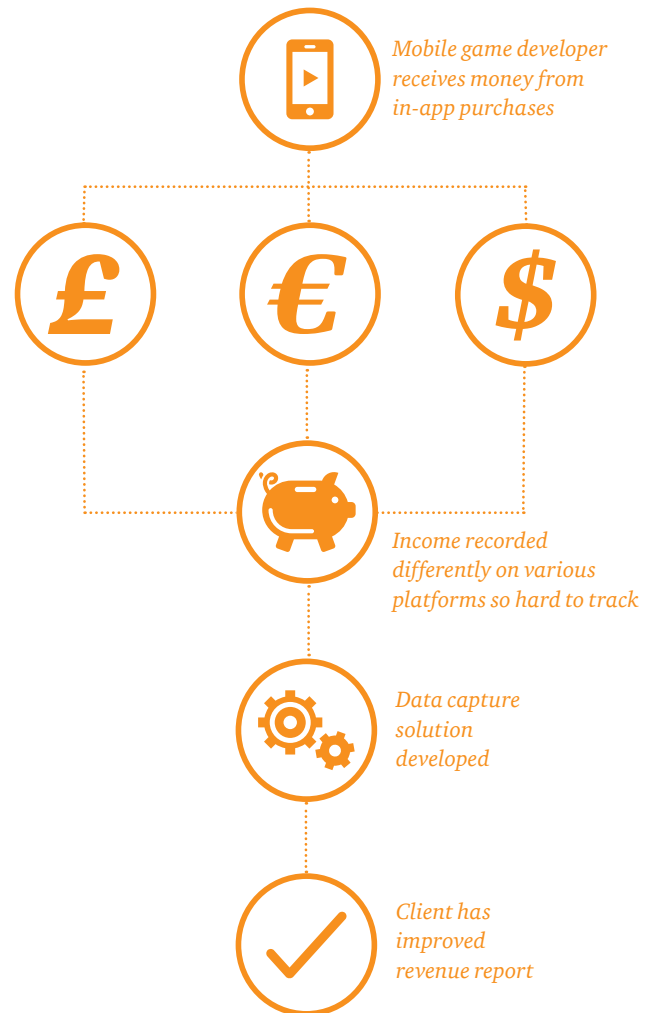
Our graduate training programme is tailored to the work you'll be doing within ARCA, allowing you to discover and develop new technical skills, hone your business understanding, and sharpen your personal and communication abilities. You'll learn from hands-on coaching, focused training sessions and through on-the-job coaching across the wide variety of work on offer within the team.

Data Assurance – client case study

Assuring data, ensuring accuracy

Our client – a leading game developer – asked us to produce a data assurance framework to help them track their sales revenue more effectively. As a mobile game company, tracking revenue can be a complicated process, as instead of the money heading straight to the game developer, the money from in-app purchases is transferred via the various application download platforms. Small amounts of money come in regularly, in different currencies, and these transactions are recorded differently by every platform. Therefore, accurately tracking this data is a complex process.

Although our client had built a bespoke in-house system to process the revenue data, the unconventional method of payments and the lack of invoices meant that they couldn't be confident that everything was right. We worked closely with our client to understand their specific business needs and requirements. We then produced a model that enabled us to capture and analyse the data to produce a revenue figure that our client had confidence in. This solution added a significant level of benefit for our client, so much so that we'll be repeating the process next year.





Zac Associate

Joined 2014

*BA Computing and Business at
University of Hertfordshire*

Data Assurance

My role is in our Data Assurance team, but my day-to-day involves so much more! From working with a great team to transform the induction process, to running a new volunteering programme with some friends.

The work has been really varied. On one job I was running technical data analysis that required coding and use of our proprietary data visualisation tools. On another I played more of a consulting role that relied on keen observation. The huge variety at PwC has afforded me the privilege to work creatively on our intergroup competitions, daily comms and social committees in a design role; as well as my problem-solving skills in my work, whilst building up expertise in new areas!

Our department has a fairly new team working on helping businesses comply with a new regulation coming in soon around data privacy. It's going to totally change how businesses can use customer and employee information. I'm looking forward to learning more and seeing how businesses react as the whole discipline changes.

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*I believe a career at PwC
is all about what you
make of it ”*

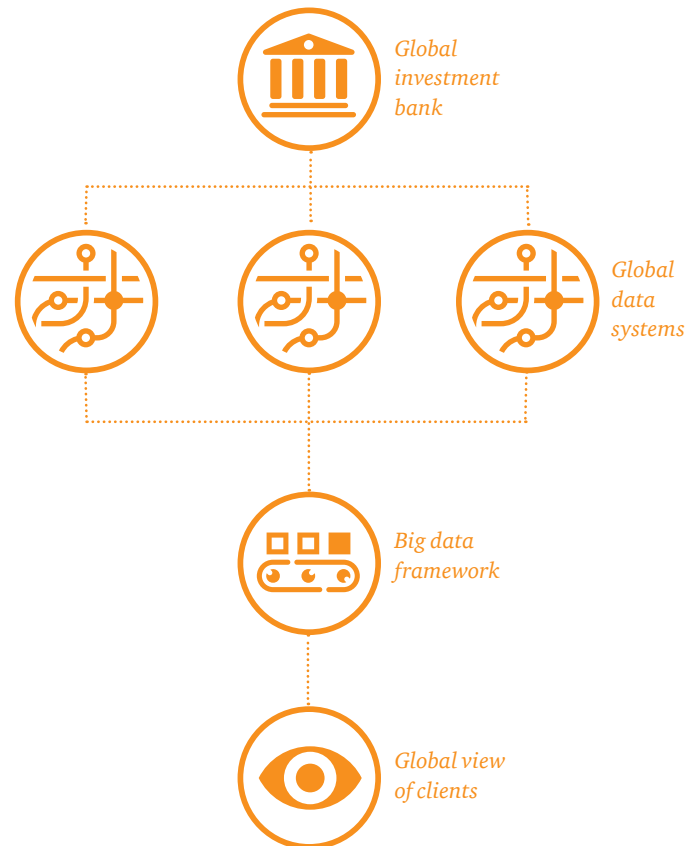
Advanced Risk and Compliance Analytics – client case study

Data management

Our client – a global bank – requested assistance in helping it respond to guidance they received from the US regulators. The bank needed to ensure that it had a single view of its clients across different business divisions as well as geographies. This was especially challenging considering that the client has a presence in all continents, with independent data systems not necessarily talking with each other.

Consequently, in phase one of the project, the ARCA team reached out to different client stakeholders to identify 100+ systems across the US which might hold relevant data. The second step was to understand the data-flow to identify the golden source for each data-point. Finally we partnered with a third-party vendor to implement a consolidated view of clients, utilising advanced data analysis techniques and big data frameworks.

The client was delighted and impressed by our approach, such that it lead to the eventual roll-out across 25 different client locations across the globe.



“

My team helped give me the confidence to take on lots of responsibility”

Jess Associate

Joined 2015

BSc Biological Sciences at University of Edinburgh

Advanced Risk and Compliance Analytics

PwC has given me the opportunity to play an integral role in interesting and important work right from the start of my career.

In my first year, I worked on a high-profile financial crime project where I helped a large global bank to evaluate their potentially risky customers. We provided an overview of their current status across a number of different entities, which allowed me to take advantage of some interesting travel opportunities. It was a big project, which was a little daunting at first, but my team helped to give me the confidence to take on lots of responsibility and get involved with the really interesting aspects of the project. There was a huge amount to learn but I was never given anything I couldn't handle.

My favourite thing about my job so far is that the projects are fast paced and there's a huge variety, so you'll never get bored. There are also lots of opportunities to travel and work in different environments and, if you're lucky, different countries.



Working in Forensic Technology Solutions

Our Forensic Technology team helps clients manage vast amounts of electronic data and navigate the legal and business processes that are mandated by critical events.

Prevention is even better; knowing where your vulnerabilities are and managing the risks involved. When disputes or regulatory investigations arise, a timely resolution relies on your organisation being prepared. And this is what we help our clients with every day.

Forensic Data Analytics

What we do

In an increasingly digitised world, instances of fraud and electronic crime are becoming more common. Forensic data analytics is the discovery and communication of meaningful patterns within data, either to measure historic events or to predict the likelihood of future ones. Much of our work requires analysing vast quantities of electronic data, using cutting-edge technology and advanced statistical techniques to extract meaningful insights for our worldwide clients.

What you'll do

Work alongside leading professionals in fields such as Big Data, Predictive Analytics and Data Visualisation. You could be looking for hidden patterns within the global payments of a bank accused of money laundering, or helping to identify illegal activity within millions of regular transactions.

In your assignments you'll work closely with clients, communicating simple, practical explanations of your analysis and what it means for the business. You'll gain exposure to a wide variety of analytical techniques, providing you with a solid foundation for your career in data analytics.

Training and development

When you join the Forensic Technology team you'll receive training in a wide range of technical and non-technical skills, such as advanced Tableau data visualisation training and certifications, or courses in Oracle Database Administration. We'll also encourage you to attend in-depth training led by our technology partners based on your individual development needs.

eDiscovery and Forensic Computing

What we do

Searching the personal computer and smartphone of an executive suspected of intellectual property theft, or identifying emails containing evidence of price fixing. These are the kinds of challenges you'll tackle every day as part of the team within one of the largest dedicated forensic technology practices in the world.

What you need

Tech or IT-related degree

2:1

All other degree subjects*

X

*not eligible to join this area

What you'll do

Work alongside industry-recognised specialists in computer forensics, electronic discovery, information governance and disclosure. Much of our work centres on the analysis of large volumes of electronic data. And because we operate in an environment where speed of response is often critical to our clients, we're constantly innovating and drawing on the very latest technologies.

Our engagements frequently involve us working in cross-border teams alongside regulators, legal advisers and across other parts of our wider business – providing opportunities for international travel too.

Training and development

When you join the Forensic Technology team you'll receive training in a wide range of technical and non-technical skills including Relativity, Nuix and some industry-leading forensic applications. We'll also encourage you to attend in-depth training courses led by our technology partners based on your individual development needs.

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Forensic Data Analytics – client case study

Trader intelligence for a global investment bank

Data is knowledge. But if a client can't readily access and interrogate the vast, historical databases they have, it simply loses value. Nowadays, regulators expect large financial institutions to have this sort of capability. We have many clients in the financial arena, so our Forensic Data Analytics team decided to see how we could retrieve meaningful data that would provide real added-value.

The team recently reviewed the activity of traders to investigate suspected market abuse. We took thousands of trades for particular traders on a particular day to try and understand what they were doing. Previously we would produce a 300-page report of charts that cross-referenced activity and flagged points of interest. It was in-depth and it had the information required, yet it was time-consuming to read and absorb. Times have moved on and with the technology we use today, we can write algorithms to identify unusual patterns of behaviour and then produce interactive dashboards which give our clients access to the exact information they want within a fraction of the time.

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Review activity of traders



Suspected market abuse



Write algorithm



Identify unusual behaviour



Checca Associate

Joined 2015

*BSc Computer Science at University
of Hertfordshire*

Forensic Data Analytics

My days tend to vary a lot. Sometimes I could be creating a requirements workshop with clients. Other times I could be searching through data sets for evidence of fraud. It all depends on the client and their specific needs.

One really exciting project I had the opportunity to work on was with the Cyber Security team. The client wanted to discover whether any of their employees were running malicious or harmful software on their work computers. The cyber team collected a list of the applications running on all the computers, which I then processed. I imported that data into an interactive Tableau dashboard I had built for the client to allow them to investigate their own data.

It was a great opportunity for me to improve my technical skills and build up my network. The project involved dealing with various different teams so I got the opportunity to work with some really talented and inspiring people along the way.

“

I've had some great opportunities to improve my technical skills and build my network ”

eDiscovery and Forensic Computing – client case study

Detecting security breaches with discretion

When a company's concerned that one or more of its employees may be sharing confidential business information outside of their organisation for financial gain, they have to investigate. Using our global network of forensic technology specialists in conjunction with the client's IT team, we were able to help our client quickly capture the appropriate data from the organisation's systems without detection. Within 48 hours of taking our client's instruction, we were able to collect and preserve email and chatroom conversations from the employees that were identified by the client. We also secured further evidence from their mobile devices and analysed them in our forensics laboratory in London. It meant that our client was able to swiftly and sensitively recover the 'lost' data and take appropriate action against its employees. And with our detailed reports, the client could also analyse employees' social media activities, which allowed them to identify a wider number of individuals that had been unlawfully sharing confidential data.



Employee sharing confidential data



Investigation by PwC



Global network of specialists



Preserve email and chatroom conversations



Information swiftly recovered

“

*The people I work with
are talented, helpful and
fun ”*

Alex Associate

Joined 2015

*BSc Computing and Information
Technology at Queen's University
Belfast*

eDiscovery and Forensic Computing

My role is to handle electronic data and interpret it so that it can be presented to the court as evidence. Often clients request us to find specific key documents, so we have to use various computing techniques to locate them.

It's complicated work that involves an extremely talented team of people in Belfast. One particular project required me to analyse telephone records. I was tasked with identifying phone calls of interest and extracting the useful information. We then used our technology to search the data and provide it as evidence to the lawyers. I was in direct contact with the client throughout the project, working in their offices and providing support throughout their investigation, which proved to be really enlightening.

I feel like I've learnt so much since joining PwC. The people I've encountered have been talented, helpful and fun, and the opportunities on offer have been fantastic. I'm given real responsibility and am always getting involved in something new and exciting.



Working in Digital Trust

Technology impacts every aspect of our lives. From the way schools and universities educate, how we interact socially, how we store information, to how we shop; it's simply the way the modern world operates.

And it's a world that's bursting with opportunities. Businesses are pushed to innovate and develop faster, be more agile and creative than ever before. This gives us the opportunity to show our clients the kind of opportunities that are out there and how technology can give them a competitive edge. But change requires trust and that's not always easy to build when emerging technologies are involved. But once trust is there, change comes about much easier.



What we do

Digital trust is vital in business, especially in the digital world, as you're no longer able to see who you're liaising with. Without trust, customers are less inclined to hand over their details to purchase from you; and suppliers are less likely to supply goods and services to you. Our clients need to know how to secure the data they hold. We help them achieve this. We help our clients build trust in their technology, to have the confidence to rely on it to help them run their businesses.

We work with our clients to create a business strategy that is fit for the digital age. From there, we help them implement processes and controls that strengthen their technology structure and resilience, and minimise risk.

What you'll do

You could be working with our clients delivering business controls to help them protect and strengthen their business from governance to performance, systems to strategy, and business plans to business resilience.

You'll predominantly focus on assurance and advisory engagements for clients in a variety of areas that address IT risk in organisations such as cyber security, IT governance, business continuity and disaster recovery, or infrastructure. You'll either be part of the year-end audit team delivering assurance over the client's IT systems or provide advice to clients in implementing effective IT controls to build trust.

Training and development

Within Digital Trust you'll have the opportunity to experience different areas of our practice, which may include being part of projects in data confidence, IT risk and resilience, transformation confidence, business systems control, IT audit or cyber security.

To help you develop, we offer our graduates training in Oracle, SAP, IT controls, Cobit, ITIL, encryption, security architecture, certifications such as CISMP, and much more.

What you need

Tech or IT-related degree

2:1

All other degree subjects

2:1

Business models that worked well for decades are being disrupted or destroyed due to the speed of digital change, the increase of regulatory scrutiny on technology risks and the escalation of cyber threat, requiring us to respond and build a strong team of specialists. Our new technology specialists will span from associates to partners and will consist of over 600 external hires, over 400 internal transfers from around PwC's international network and over 200 cyber security, data and technology graduates.

Hermione Hudson

Partner, PwC UK Head of Assurance

Digital Trust – client case study

Improving data accuracy to stop investment being a matter of opinion

Our client, a major UK utility company, knew that poor data quality and an over-reliance on opinions had led to a 30% loss of investment in their investment cases. They recognised that they needed to drastically improve the quality of their data management and asked us to help. Using a framework to help them identify data improvement requirements in their asset management function, we successfully managed the delivery of accelerated data and legacy data improvement. As a result, they're now less reliant on individuals' judgement and have access to robust, accurate and complete data that's an essential asset to the organisation. They've also seen a rise in self-assessment scores.

Poor data quality



Over-reliance on opinions



30% loss of investment



PwC implemented framework



Data improvement



Access to robust data



Kiran Associate

Joined 2015

*BSc Information Technology and
Business Systems at University of
Hertfordshire*

Digital Trust

Projects tend to kick-off with meeting the engagement partner, manager and team members where we gain an understanding of our role within the team. We then move on to field work at the client site. The nature of the work varies depending on the type of engagement required. Once this is complete, we head back to the office to report on our findings.

One project I worked on required an assessment of a client's cyber security controls and processes. The client had suffered from a large scale security breach and was looking to improve their overall cyber security infrastructure. I worked with the client to assess the security and develop recommendations for improvements. I learnt a considerable amount from this project alone.

Since joining PwC, I've had the opportunity to develop my skills and am more confident in building strong relationships with my colleagues and clients. I can now see opportunities that can add value to clients and am able to consider a broad range of perspectives in my thinking. I know that I'm able to make a genuine difference to the clients I work with.

“

*I worked with a client to
assess their cyber security
controls and processes ”*

”

Innovation at PwC

PwC and Google for Work Reinventing business together

Partnerships are incredibly important to how we do things, so we have a strong focus on collaboration here. A great example is our alliance with Google for Work – a working relationship that enables us to deliver technology solutions that help our clients reinvent and innovate their businesses worldwide.

It's a unique union that combines strengths from both sides. Google gives us access to a vast global network with the brainpower to solve challenging technical problems. And through us, Google can connect with a huge range of businesses in ways they never could before.

Since we began developing solutions together, we've transformed a wide range of businesses through technology. How many times have you seen workers digging up the same stretch of road time and time again? It might sound simple, but before we developed a bespoke web app, engineers at a major utilities company had no way of knowing who else was working in the same areas, so they weren't able to coordinate their efforts. The app has increased efficiency, reduced disruption to the public and saved the company a lot of money.

We've also helped US Government departments and big retail processors to identify cyber threats that can occur almost daily and on a massive scale. With responsibility for huge volumes of sensitive and confidential data, they need to know if anyone is attempting to steal information or cause damage to their network by intercepting connections. We created a way to collect, transport and analyse these billions of connections, enabling threats to be identified, challenged and ultimately deflected.

So, by bringing together our understanding of client needs with Google's powerful infrastructure, we can offer innovative solutions that continue to raise our profile in the world of technology. It's an exciting collaboration to be part of – and we're looking forward to seeing where it takes us.

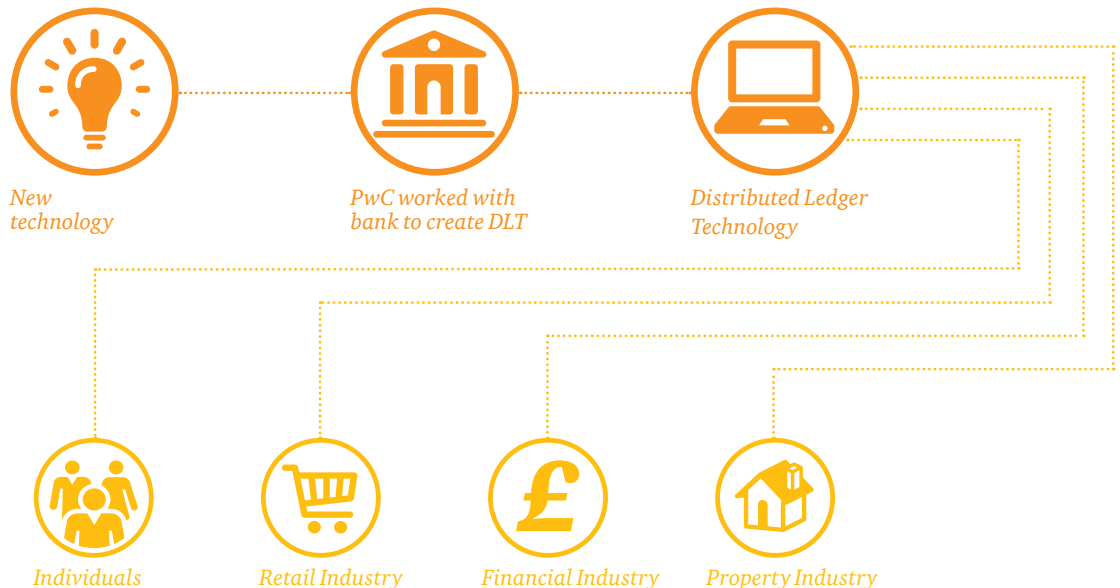
Building trust without intermediaries

As our world becomes increasingly digital, it's important that we have technology that can provide the security, trust and accountability we all rely on. Particularly in the world of financial services, where emerging technologies such as Blockchain are poised to revolutionise our relationships with banks, insurance companies, and beyond.

In its simplest form, Blockchain removes the need for a third party, such as a bank, to authorise a financial transaction, allowing transactions between people and businesses to happen both quickly and securely. This is achieved through 'distributed ledger technology' (DLT).

We've worked closely with a major banking institution, providing them with the expertise and support they need to develop a 'proof of concept' around a new DLT. This gives them a single view of transactions taking place, which is simultaneously available to all those taking part.

This allowed the bank to gain better awareness of the technology which can be used to influence future policy decisions, and it's equipped their team with the skills they need to develop their thinking in this area in the future.



From High Fashion to Hi-Tech

See the career journey Sheridan Ash has taken, from fashion model to Technology pioneer at PwC. Sheridan is now leading the way in ensuring that Tech is at the forefront of our business.



Sheridan Ash
Technology and
Investments Director



**Started
modelling
career - 1982**



**Graduated
with an MBA
from Imperial
College London
- 2002**



**Worked at
professional
services company
specialising in
pharmaceutical
and life sciences
industries**

**Graduated
with a BSc
Psychological
Sciences degree
from University
of Westminster
- 1998**



**Worked as
Business
Development
Manager at a
large
pharmaceutical
company**



**Joined PwC
as Senior
Manager**

2010

“
*Any woman with the right
attitude and skillset can
thrive in this field, regardless
of whether she studies
Classics or Chemistry*”



*Seconded to a
major London
hospital as
Informatics
Director*



*Began
leading the
Women in
Technology
programme*

*Promoted
to Director*

2012

*Appointed
Technology
and
Investments
Director*

2016



Work experience opportunities

From your very first day on campus, there are lots of ways you can gain work experience with us. Each offers the opportunity to discover what a career with us is all about, and boost your employability. Find out more at pwc.com/uk/work-experience

Students
in any year



1 day

Career Open Day

Spend a highly interactive day with us and learn about the work we do. It will help you decide which of our graduate career opportunities is right for you.

First to final
year students



2 days
5 days • Paid

Talent Academy *▲

During this 2-day interactive work placement, you'll get to meet our people and hear what it's like to work with us. You'll find out about the business areas you could join, gain an understanding of our business purpose, and meet other students who are thinking about applying.

Tech Academy ** ■ ▲

This 5-day, paid interactive work placement is aimed at people with a passion for technology. You'll experience first-hand how we're helping our clients to create a business strategy fit for the digital age, one that's able to withstand and respond to cyber threats, and capable of harnessing the business benefits of innovative and effective data management.

Students
in any year



1 week • Paid

Women in Business ■ ▲

You'll find out what it takes to make it to the very top of PwC from the perspective of one of our female leaders. You'll also get an insight into what we do day-to-day, by partnering with an associate on our current training scheme, attend client meetings and experience working life with us.

* First year students, second year for those on a four year course (without a year in industry); Northern Ireland – open to first to penultimate year students

** Open to students in any year, with the exception of in Northern Ireland where it's for first year students only

- Do well and you could be offered a graduate job for the following year
- ▲ This could lead to an internship or work placement if in your first, second or penultimate year

Penultimate year students



6-8 weeks • Paid

Sandwich or placement students



11 months • Paid

Graduate placement



6-10 months • Paid

Summer Internship ■

Working alongside specialists in your chosen business area, you'll be a valued member of the team. You'll work on client projects for 6-8 weeks to give you the best insight into what we really do. You'll discover how the work we do really matters – to our clients, the economy and the wider community. Alongside that, you'll build networks with your colleagues and peer group through our client-focused internship challenge.

Undergraduate Work Placement ■

An opportunity to develop a broad range of business skills, enhance your commercial thinking and experience our culture. On this 11-month work placement, you'll be a key member of the team, working on real client engagements. With a dedicated People Manager and Buddy, you'll be supported to reach your full potential. In some business areas you'll also have the opportunity to study towards a professional qualification.

Opportunities are available in: Assurance, Technology, Deals, HR and Marketing.

This programme is ideal if you need to complete a placement as part of your degree, and it could lead to a graduate job offer – plus if you've completed some professional exams on placement, you'll qualify faster when you re-join as a graduate.

Graduate Work Placement ■

Join one of our 6-month **Tax work placements** after you graduate and you'll become part of our Corporate or Indirect Tax team doing client work while building your expertise in this area. You may decide to request an extension to your placement up to 11 months, or take six months out before starting your new career. Either way, you could get a job offer to join our full-time Tax Graduate programme.

Flexible Associate graduate placement scheme ■

On this 10-month programme, you'll work where the business needs you most, meaning you could experience work in any of our business areas. Or you may specialise in one area, where you can develop your expertise.

Tech Academy

A session for students

Our Tech Academy is a unique opportunity for you to spend a week with our Technology team. They'll reveal the innovative work they're doing to keep at the forefront of data, digital, and cyber security for our clients with a global reach.

Starting with an introduction to our different Technology teams, you'll discover why we're placing so much of our focus on cyber security and data analytics. You'll spend time shadowing members of our team and their high-profile projects.

Impress us during the week, and following a final interview, you could earn a place on one of our summer internships, work placements or even get a graduate job offer for the following year.

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For dates, please go to
pwc.com/uk/work-experience



Improve your employability skills



Make new friends and increase your network



Find out more about the business world



Get paid for the week



Build your confidence



Work on real projects

What we look for

Know what you're signing up for

Starting out in your chosen career and everything that comes with that will be exciting, stretching and challenging. But the rewards are well worth it. If you're ready to invest plenty of effort, commitment, flexibility and passion, we're ready to give you our full support and we'll invest in your future.

All routes offer you the same deal. The opportunity to grow as an individual, to meet new people, and build lasting relationships that will stay with you for life. In return we need people who are resilient, willing to work hard, are quick to learn, and who, above all, are passionate about going the extra mile to help our clients.

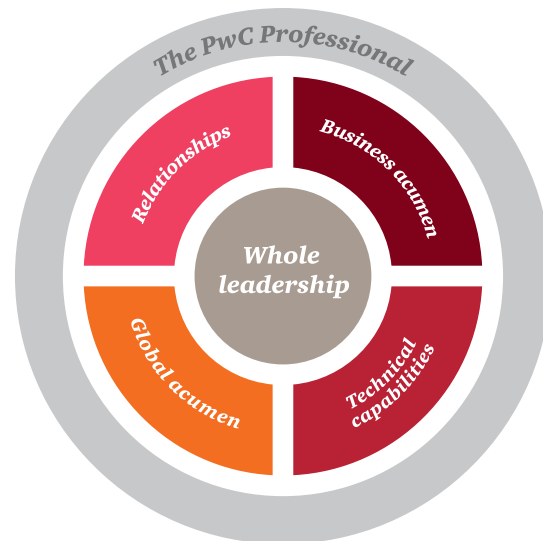
Bringing out the best in you

Throughout your career, you'll be supported by the best in learning and development – from specialist seminars, courses and toolkits to informal 'lunch and learn' sessions hosted by your peers. Your teammates will show you the ropes, and a People Manager will work with you to guide your career and support you in your learning. And at every stage, progression is based on merit.

The PwC Professional

All our people need to demonstrate the skills and behaviours that help us deliver our business strategy. This is important to the work we do for our business, and our clients. These skills and behaviours make up our global leadership framework, 'The PwC Professional'.

The PwC Professional focuses on five core attributes: **whole leadership**, **business acumen**, **technical capabilities**, **global acumen** and **relationships**. We use this framework to recruit, develop and assess our people at all grades and in all areas of our business, because we expect all of our people to be leaders.



For information on The PwC Professional go to pwc.com/uk/careers/pwcprofessional

It's all about you

By now you should have a good idea of the learning environment we create for you and the personal and professional development you can expect. But we know that finances are important too. Our people are important to us and we want to reward hard work and commitment. Because we know everyone is different, we've designed a flexible benefits scheme that can be tailored to suit your needs. We call this 'Choices'.

Our offer to you

A highly competitive salary

A 'Choices' allowance*

A discretionary bonus

25 days' standard holiday pro rata**

An extra day off at Christmas

The option to join our pension scheme***

A season ticket loan

A graduate loan of up to £7,000

* Most benefits can extend to partners, dependants and family too.

** You can also trade up or down, up to the equivalent of one working week of your standard holiday entitlement, to a maximum of 40 days per year.

*** If you decide you don't want to join the PwC GPP (2015), we'll still have a statutory duty to enrol you automatically into a pension arrangement which complies with the Government's minimum pension requirements, but you can opt out of this if you like after you've been enrolled.

We use some of your Choices allowance to fund:



Life assurance cover



Personal accident cover



Income protection cover



Private medical cover

But it doesn't stop there. You can use what's left of your Choices allowance (plus some of your salary if you like) to request whichever of our wide range of Choices benefits will suit you best. This could be:



Childcare vouchers



Travel insurance



Gym membership



A company car



A bike through our cycle to work scheme



Private family medical cover



Dental insurance



Gadget insurance



Health screening



Increased life assurance cover



Partner life assurance



Critical illness insurance



Personal injury insurance



PwC Donate



Increased income protection cover

But our reward to our people is much more than financial. We work hard to create an environment where our people can grow and flourish.

Your life at PwC

Work kit

iPhone
Laptop and bag
Stationery

Office facilities*

Onsite parking
Subsidised restaurants
Filtered water and hot drink stations
Contemplation rooms
Showers
Complimentary fruit
Concierge services

Flexible working

Maternity and paternity leave
Career breaks
Reduced working patterns
Emergency back-up childcare

Social life*

Social clubs
Sports teams
PwC Panto
Community initiatives
Networks
Office socials
Tastecard
PwC Box tickets

Work perks

Tax Return Service
Discounted products and services including hotels and travel
Careers service
Overseas secondments
Microsoft Office for home use
Eye test vouchers

*varies by region or office

The opportunity to apply

1 Research

At interview, you'll need to explain why you've chosen a specific business area, how you think it creates value for our clients, and what skills you can bring to it. You'll also need to show that you understand how much time you may have to invest in getting a professional qualification. So visit [pwc.com/uk/careers](https://www.pwc.com/uk/careers) and start exploring.



2 Get online

Decide on the one programme you want to apply for and the skills you can bring and register online. We'll then ask you to take some online tests. You'll find out if you have a first stage interview once the deadline has passed. For roles without a specific deadline, you'll know if you've made it through within five working days.



5 Final stage interview

Your second and final stage interview will be with a senior member of the team. Like your first stage interview, this will be competency-based so be ready to talk about your experiences, demonstrate your understanding of our business and show you have the attributes detailed in The PwC Professional.



6 Offer

We'll tell you whether we'd like you to join us as soon after the final stage interview as possible.



The recruitment process may vary slightly across business areas so check specific details on our website.

3 *First stage interview*

For most of our programmes this will be over the phone. It will be competency-based, so think how your experiences demonstrate the behaviours and skills we're looking for. Find out more at pwc.com/uk/careers/pwcprofessional and try our e-learning tools at pwc.com/uk/careers/elearn



4 *Assessment day*

We'll invite you to this if you have a successful first stage interview. There'll be numerical tests, then either logical or verbal reasoning skills tests; a group or individual exercise; and a written exercise. Some business areas also give you a case study or a presentation to do.



7 *Pre-employment screening*

Accept our offer and we'll check your grades and job history, so please make sure everything's correct before you send us your application. We're known for accuracy, so carrying out checks like this protects our reputation.



8 *Before you join*

The support starts as soon as you say 'yes'. So you feel part of PwC well before your first day, we'll invite you on to our onboarding website and Facebook app where you can keep in touch with news, advice and information. And you can also network with others about to join us.



*Create value through diversity.
Be yourself, be different.*



@pwc_uk_careers



/pwccareersuk



/careerspwc



/pwc_uk

pwc.com/uk/careers
worldinbeta.com
#analyticsmeansbusiness

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In this document, "PwC" refers to the UK member firm, and may sometimes refer to the PwC network. Each member firm is a separate legal entity.

Please see pwc.com/structure for further details.