

Computer Scientist - KTP Associate Enterprise & Innovation - Directorate (E&I)

Location: Sunderland Campus
Hours per Week: 37
Closing Date: Sunday 11 March 2018
Reference: 0446-17-R
Further details: [Job Description](#) [Candidate Pack](#)

The University of Sunderland is proud to be:

To be bold and inspirational in providing education, research and creative practice, which offers transformative experiences to students, staff, communities and business partners in the UK and across the world.

Knowledge Transfer Partnerships (KTP)

A Knowledge Transfer Partnership (KTP) is a three-way project between a company, a university and a graduate (known as an Associate), which enables the transfer of knowledge, technology and skills to which the company currently has no access. Supported by the university, KTP Associates manage strategic projects within the company.

A KTP can help graduates to enhance their career prospects by providing them with an opportunity to manage a challenging project, which allows them to use their degree, and is central to an organisation's strategic development and long-term growth.

Whilst the Associate leads the KTP project, they are supported by experienced staff from the company and university. They are also assigned a KTP Adviser, who supports them in maintaining good working relationships within the partnership and in planning their professional development in broad terms. For more information, visit <http://ktp.innovateuk.org>. While the associate will be an employee of the University of Sunderland, they will be expected to comply with the procedures and policies of the host company and will be provided with a comprehensive induction programme.

Muckle LLP

A successful Commercial Law Firm based in Newcastle upon Tyne. From our home in the wonderful North East of England, we have built a national reputation, not only for providing the best advice and service we possibly can but also for doing it with a personality and enthusiasm.

It also goes without saying that our business is only as good as its people. And we believe that having people onboard who enjoy what they do goes a long way to giving clients the superior service experience we provide. For that reason, the way we work and form professional relationships is important to us. We always trust, respect and value each other. We operate collaboratively in an honest and open way. But equally, we also have fun and enjoy each others' company. In short, we work as one team. It's qualities like these that are of fundamental importance to our ability to pull together and build the strongest client relationship we can.

However, while we all operate as part of the Muckle team, we know that in terms of our clients one size does not fit all. Which is why everyone is encouraged to develop their own unique style, to use their personality and to be proud of who they are. This is, therefore, an excellent opportunity for a Data Scientist looking to work in a friendly, open environment who wants to work in a forward-thinking, commercial law firm.

Purpose of the Job:

The University of Sunderland in partnership with Muckle LLP offers an exciting opportunity to a recent graduate to develop a bespoke, innovative and intelligent business analytics platform and mobile application for the legal services sector, initially addressing the debt collection marketplace for businesses, via embedded artificial intelligence and advanced data analytics.

Duties of the Post:

The main duties of the post will include:

- Exploratory research into the data held by Muckle that will lead to better understanding the technical requirement for the new platform.
- Define cloud-based infrastructures and technologies.
- Explored AI techniques including Natural Language Processing (NLP) useful in scanning and predicting what documents will be relevant to a case.
- Create a requirement specification documenting to operate with minimal human interactions.
- Design and develop an intelligent legal software platform and application using historical data for machine learning, AI to enable time-efficient decision making.
- Engage with large legal institutions and test groups for scoping/testing.
- Finalise the system for use in Muckle's intelligent legal services environment.
- Any other duties as may be assigned from time to time by the University of Sunderland Academic Team or their nominee.

These duties are a guide to the work that the post holder will initially be required to undertake. They may be changed from time to time to meet changing circumstances.

Informal enquiries may be made to Professor Yonghong Peng, Academic Supervisor (email: yonghong.peng@sunderland.ac.uk) or George Belias, KTP Manager (tel: 0191 515 2147 email: George.belias@sunderland.ac.uk).

However, applications must be made online.

[Apply online](#)