

RECRUITMENT PACK

This document includes the following information:

- Job Description
- Person Specification
- Additional information

Making an application:

Please complete the short on-line application form, which includes some standard questions, and attach the following documents. (Shortlisting is undertaken by a panel after the closing date on the basis of information provided.)

- a. A covering letter - explaining why you are interested in this post, and giving examples to demonstrate how you meet the requirements of the job as outlined in the Person Specification.
 - b. A Curriculum vitae - giving full details of your qualifications and experience to date.
- Links to Guidance Notes and Frequently Asked Questions can be found on the Search Results page. These pages will open in a new window.
 - We recommend that you take a copy of this recruitment pack to help with your preparation.

A commitment to sustaining an inclusive and diverse community is one of the University's Core Values and we are keen to address any imbalances in our workforce.

The University of Essex is proud to be part of the Disability Confident scheme and is committed to supporting diversity and equality, representative of our inclusive community. As part of our commitment to this scheme any candidate who has a disability and meets all the essential criteria for the role will be offered an interview. We also work in partnership with national disability organisation DisabledGo who provide detailed online access guides to many of our campus buildings and facilities which you may find useful.

Please note: We are only accepting on-line applications for this post. However, if you have a disability that makes it difficult for you to provide us with information in this way, please contact the Resourcing Team (01206-874588/873521/873461) for help.

Closing Date: 31 May 2018

Interviews are planned for: Early – mid June 2018

**Produced by:
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JOB DESCRIPTION – Job ref (REQ01375)

Job Title:	KTP Associate (Natural Language Processing and Data Visualisation)
Contract:	Full-time. Fixed term for 18 months. The position is fixed term due to being part of a government funded innovation programme, however there may be potential to continue in employment with the company partner following the completion of the KTP.
Hours:	40 hours per week (standard working week for host company)
Salary:	£29,250 - £34,250 per annum
Department/School/Section:	School of Computer Science and Electronic Engineering
Responsible to:	Professor Anthony Vickers Head of School of Computer Science and Electronic Engineering
Responsible to on a day to day basis:	Dr Jon Chamberlain, Academic Supervisor, University of Essex Dr Dyaa Albakour, Company Supervisor, Signal Media
Location:	This post will be based at: Signal Media Limited 5 th Floor 32-38 Leman Street London E1 8EW

Purpose of the Job:

The University of Essex in partnership with Signal Media Ltd offers an exciting opportunity to a graduate to develop insight extraction and visualisation techniques to convert a stream of unstructured textual documents, e.g. news articles, into easily digestible information and present it in novel ways.

Duties of the Post:

The main duties of the post will include:

- Design, prototype and implement text analytic components for extracting and visualising insights from news data.
- Work closely with developers and engineers to implement, scale and deploy new components to be part of Signal's products.
- Conduct studies with existing and prospective customers to evaluate the developed components.
- Participate in academic or industrial conferences and other events, to disseminate and present our research to the wider community.

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.

April 2018

PERSON SPECIFICATION

JOB TITLE: KTP Associate (Natural Language Processing and Data Visualisation)	POST REF: REQ01133
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Qualifications /Training

	Essential	Desirable
<ul style="list-style-type: none"> ▪ BSc in Computer Science (Natural Language Processing, Machine Learning, Human Computer Interaction or related fields) or equivalent level of experience 	x	
<ul style="list-style-type: none"> ▪ MSc or PhD in an area combining NLP with human-computer interaction 		x

Experience/Knowledge

	Essential	Desirable
<ul style="list-style-type: none"> ▪ Track record of developing industry-strength applications 	x	
<ul style="list-style-type: none"> ▪ Demonstrate familiarity with state-of-the-art tools in NLP/ML (e.g. SpaCy, Scikit-Learn, TensorFlow, Vowpal Wabbit, Gensim) 	x	
<ul style="list-style-type: none"> ▪ Demonstrate familiarity with commonly used visualisation packages. (e.g. d3.js) 	x	
<ul style="list-style-type: none"> ▪ Experience of conducting user studies 		x
<ul style="list-style-type: none"> ▪ Experience of conducting systematic evaluation of NLP tools 		x

Skills/Abilities

	Essential	Desirable
<ul style="list-style-type: none"> ▪ Effective communication skills and the ability to interface with people with commercial interests and from varied technical backgrounds 	x	
<ul style="list-style-type: none"> ▪ Ability to work to deadlines and capable of working under pressure 	x	
<ul style="list-style-type: none"> ▪ Good command of written and spoken English 	x	
<ul style="list-style-type: none"> ▪ Ability to work independently and as part of a team 	x	
<ul style="list-style-type: none"> ▪ Proactive and committed to the project with a keen interest in the commercial environment 	x	
<ul style="list-style-type: none"> ▪ Strong analytical skills 	x	
<ul style="list-style-type: none"> ▪ Strong project management skills 		x

Other

	Essential	Desirable
<ul style="list-style-type: none"> ▪ An understanding of, and commitment to, equality and diversity 	x	
<ul style="list-style-type: none"> ▪ Can meet the requirements of UK 'right to work' legislation* 	x	

*The University has a responsibility under the Asylum, Immigration and Nationality Act 2006 to ensure that all employees are eligible to work in the UK. Prior to commencing employment, the successful candidate will be asked to provide documentary evidence to this effect. The University may be able to offer Tier 2 Sponsorship for this role. For further information about UK immigration requirements please follow this link <https://www.gov.uk/government/organisations/uk-visas-and-immigration>

April 2018

Working at the University of Essex

The University of Essex is proud to be:

A leading academic institution with an international reputation for the quality of its research and teaching and an international community that is committed to equality and diversity.

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>.

Signal Media Ltd

Signal Media is an artificial intelligence media monitoring company that transforms the world's information into accessible, actionable business knowledge. Signal specialises in providing cutting-edge AI solutions enabling business users to track changes to their world in real time with certainty and clarity, providing the constant access to high-quality, hyper-relevant information they need to remain on top.

Please follow the link for further information <https://signalmedia.co/>

School of Computer Science and Electronic Engineering

The School of Computer Science and Electronic Engineering comprises over 500 students from more than 50 countries, supported by 130 academic, research and support staff. It is ranked joint 8th in the UK for Computer Science in the [2014 Academic Ranking of World Universities](#) (100-150 in World). <http://www.essex.ac.uk/csee/about/default.aspx>

General Information

Informal enquiries may be made to Dr Jon Chamberlain, Academic Supervisor (**email:** jchamb@essex.ac.uk), Prof Udo Kruschwitz, Lead Academic (**email:** udo@essex.ac.uk) or Robert Walker, KTP Manager (**tel:** 01206 874076 **email:** r.walker@essex.ac.uk). However, applications must be made online.

KTP is funded by a UK Government grant and this appointment carries no expectation of extension beyond the end of the fixed-term contract.

In principle, previous KTP Associates are not eligible to apply. There are some circumstances where a previous Associate can apply for a new KTP. Please check with your previous KTP Adviser for information.

Please note that the role holder will be based at Signal Media, located in central London, but may be expected to travel to the University of Essex Colchester Campus from time to time

People Supporting Strategy

Please find a link to the People Supporting Strategy.
<http://www.essex.ac.uk/hr/policies/docs/people-oct15.pdf>

Benefits

Our staff and students are members of the University for life. We believe a person's potential is not simply defined by grades or backgrounds, but by a willingness to question, to collaborate and to push at the edges of knowledge and their own potential.

As an employer we offer a range of benefits and a commitment to career development and equal opportunities in an environment that both reflects and creates a rich interaction of people, disciplines and ideas.

- Pension scheme
- Generous holiday entitlement
- Competitive salaries
- Training and development Family Friendly policies
- On campus childcare facilities, for more information visit www.wivenhoeparkdaynursery.co.uk
- Childcare vouchers
- Relocation package for qualifying staff
- Interest free season ticket loan
- Range of optional salary exchange tax benefits (pension, childcare and bicycle schemes)

No smoking policy

The University has a no smoking policy

April 2018