

# RESOURCING/

## JOB DESCRIPTION:

[Lecturer in Artificial intelligence]



<b>Ref Number:</b>	<b>Recruitment to complete</b>
<b>Salary Scale:</b>	<b>Grade 7 or Grade 8</b>
<b>Contract:</b>	<b>Ongoing AND Full-time</b>
<b>School/Department:</b>	<b>School of Computing</b>
<b>Location:</b>	<b>University of Kent, Canterbury Campus</b>
<b>Responsible to<sup>1</sup>:</b>	<b>Head of School or nominee</b>
<b>Expected start date:</b>	<b>1 August 2024</b>

The University of Kent is a leading UK institution with an excellent reputation for outstanding teaching, strong research and international links.

Kent has set out a vision and strategy that builds upon strong foundations in education, student experience and research, embracing flexibility and growth to ensure a sustainable future for our community, and to enable the University to further its position and navigate these challenges successfully.

The School of Computing is a welcoming and diverse environment that has been recognised with a Bronze Athena SWAN award. Our staff and students come from all over the world, and we are proud of our friendly and inclusive culture. We support colleagues through a number of family-friendly policies, including a core hours policy and the right to apply for flexible working, and support for staff returning from periods of extended absence (for example, parental leave).

The School of Computing which is part of the Division of Computing, Mathematical Sciences and Engineering, had a strong result in the recent REF 2021 exercise with 96.3% of our outputs being classified as world-leading or internationally-excellent. It has three research groups, including the Programming Languages and Systems group and the Cyber Security group, which is part of the iCCS (Institute of Cyber-Security for Society), a world leading centre for cyber security research. The appointee will be part of the Artificial Intelligence and Data Analytics research group (<https://research.kent.ac.uk/artificial-intelligence-and-data-science/>). With 16 full time academic members of the staff this is currently the largest research

v.1.5 – January 2020

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<sup>1</sup> Line Manager may be subject to change and will be confirmed in the employment contract issued to the successful candidate.

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group in the school. The AIDA group has ongoing research activities in machine learning (including natural language processing), robotics and applied data science. A particular characteristic of the group is an extensive engagement with industry and other external stakeholders to solve real world problems, especially related to healthcare and ageing using state of the art AI and Data Science. The AIDA group has an interdisciplinary culture of collaboration with the other research groups and across the University. It is a friendly group with an inclusive and collaborative research environment. The heart of the group's life is a well-attended weekly seminar hosting internal and external speakers.

## The Role

We invite applications from candidates with research interests that can complement or enhance the School's existing research strengths in Artificial Intelligence or Data Science.

For this post, we welcome applications from candidates with a strong track record in the wider area of AI. The group is particularly keen to strengthen its research in the following three priority areas:

- Robotics
- Natural Language Processing
- Theory of Machine Learning

## Key Accountabilities / Primary Responsibilities

- Undertake teaching of both undergraduate and postgraduate students, including the development of new modules and providing support for student learning.
- Develop and extend your existing successful research career, writing research papers of the highest quality and securing external funding.
- Collaborate with colleagues in the School on course development, delivery and assessment, taking on appropriate management and administrative responsibilities.

## Key Duties

### Teaching

- Deliver teaching to achieve the highest standards of student experience in a variety of settings from small tutorial groups to large lectures.
- Develop excellent teaching and learning support material across a range of modules.
- Set and mark assessments and examinations, providing timely feedback to students in a way that helps them develop their knowledge and skills.
- Supervise undergraduate and postgraduate students undertaking project work.
- Collaborate with academic colleagues on course delivery, development and curriculum changes.
- Provide pastoral support to students.

### Research and Innovation

- Undertake research of the highest quality within the School of Computing to enhance the University's next REF (Research Excellence Framework) submission.
- Generate funding to sustain your research from appropriate external sources such as Research Councils and other funding bodies.
- Build a research programme with research students and post-doctoral researchers.
- Publish in the most prestigious journals and conferences.
- Exploit opportunities to engage with industrial, commercial, governmental and charitable organisations to gain innovation funding, transfer knowledge and create impact.
- Develop collaborations with colleagues nationally and internationally to enhance research opportunities.

### Continuous Professional Development

- Take on appropriate administrative and management responsibilities.
- Develop further skills in, and knowledge of, teaching methods and techniques.
- Other duties, commensurate with the grading of the post that may be assigned by the Head of School or their nominee.

### Health, Safety & Wellbeing Considerations

This role involves undertaking duties which include the Health, Safety and wellbeing issues outlined below. Please be aware of these, when considering your suitability for the role.

- Regular use of Screen Display Equipment

### Internal & External Relationships

**Internal:** School of Computing and wider university staff (academic and professional) and students.

**External:** Funding bodies, potential research and enterprise partners, research colleagues, professional bodies and prospective students and their families.

### Person Specification

The Person Specification details the necessary skills, qualifications, experience or other attributes needed to carry out the job. Please be aware that your application will be measured against the criteria published below.

As part of your application, please send an up to date CV, a list of all publications, and a research statement (max 1 page A4) setting out your current research interests, results that you have achieved so far and plans for the next 5 years

Selection panels will be looking for clear evidence and examples in your application, or in your cover letter where applicable, which back-up any assertions you make in relation to each criterion.

Qualifications / Training	Essential	Desirable	Assessed via*
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First degree or equivalent in a relevant subject area	✓		A
PhD in a discipline relevant to Computer Science – completed or near completion at time of application	✓		A
A relevant teaching qualification (PGCHE)		✓	A

Experience / Knowledge	Essential	Desirable	Assessed via*
Experience of teaching computing at higher education level	✓		A
An understanding of the UK's funding landscape and a plan for developing research income	✓		A,I,T
Recent track record of publication in the area of Artificial Intelligence	✓		A
Knowledge of the UK higher education system	✓		A,I

Skills / Abilities	Essential	Desirable	Assessed via*
Ability to make a strong contribution to the research undertaken in the School in an area relevant to the Artificial Intelligence and Data Science Research group	✓		A,I,T
Ability to effectively educate and address undergraduate and postgraduate students across a wide variety of computer science modules	✓		A,I,T

Additional Attributes	Essential	Desirable	Assessed via*
Willingness to contribute widely to teaching, administration and management as part of a team	✓		A,I
Good inter-personal communication skills	✓		I,T

**\*Criterion to be assessed via:**

- A = application form or CV/cover letter**
- I = interview questions**
- T = test or presentation at interview**