Position Description – Senior Lecturer, Data Science and Artificial Intelligence

Position Details

Position Title:	Senior Lecturer, Data Science and Artificial Intelligence
College/Portfolio:	STEM College
School/Group:	School of Computing Technologies
Campus Location:	Based at the Melbourne City campus, but may be required to work and/or be based at other campuses of the University.
Classification:	Academic Level C
Employment Type:	Continuing
Time Fraction:	1.0 FTE (or fraction to be negotiated)

RMIT University

RMIT is a multi-sector university of technology, design and enterprise. The University's mission is to help shape the world through research, innovation and engagement, and to create transformative experiences for students to prepare them for life and work. For more information on RMIT University follow the links below.
https://www.rmit.edu.au/about
https://www.universitiesaustralia.edu.au/university/rmit-university/
https://www.rmit.edu.au/about/facts-figures

Our three main campuses in Melbourne are located in the heart of the City, Brunswick and Bundoora. Other locations include Point Cook, Hamilton and Bendigo, two campuses in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain. RMIT is a truly global university.
https://www.rmit.edu.au/about/our-locations-and-facilities

We are also committed to redefining our relationship in working with, and supporting, Indigenous self-determination. Our goal is to achieve lasting transformation by maturing our values, culture, policy and structures in a way that embeds reconciliation in everything we do. We are changing our ways of knowing, working and being to support sustainable reconciliation and activate a relationship between Indigenous and non-Indigenous staff, students and community. Our three campuses in Melbourne (City, Brunswick and Bundoora campuses) are located on the unceded lands of the people of the Woi Wurrung and Boon Wurrung language groups of the eastern Kulin Nation.

Why work at RMIT University

Our people make everything at the University possible. We encourage new approaches to work and learning, stimulating change to drive positive impact. Find out more about working at RMIT University, what we stand for and why we are an Employer of Choice.
https://www.rmit.edu.au/careers

We want to attract those who will make a difference. View RMIT's impressive standings in university rankings.
https://www.rmit.edu.au/about/facts-figures/reputation-and-rankings

STEM College

The STEM College holds a leading position and expertise in the science, technology, engineering, mathematics, and health (STEM) fields. We are uniquely positioned to influence and partner with industry, as never before.

STEM College is a community of exceptional STEM researchers, teachers, inventors, designers and game-changers, supported by talented professional staff. We offer higher education programs across all STEM disciplines at the Bachelor, Master and PhD levels, and ensure our students experience an education that is work-aligned and life-changing. STEM College employs 1,000 staff who deliver onshore and offshore programs to approximately 20,000 students.

The College is renowned for its exemplary research in many STEM areas including advanced manufacturing and design; computing technologies; health innovation and translational medicine; nano materials and devices; and sustainable systems. Our brilliant researchers attract funding from government and industry sources.

Industry is at the heart of what we do. It ensures our research has real world impact, and our students are truly work-ready. Under the leadership of DVC STEM College, we have established new hubs of industry-connected digital innovation and are engaging with global STEMM organisations at scale.

Our diversity and shared values empower our work, and we are proud of the College's inclusive, caring culture. We offer a safe, dynamic work environment, and support every member of our community of achieve their potential. The College appointed Victoria's first ever Dean of STEM, Diversity & Inclusion in 2020, and this role drives gender equity, diversity and inclusion strategies across the College.

We are here to positively impact the world and create the next generation of STEM leaders.
https://www.rmit.edu.au/about/schools-colleges/stem-college

School of Computing Technologies

The School of Computing Technologies (SCT) provides world class computing research and innovative information technology education. We place a significant emphasis on diversity and interdisciplinarity, and aspire to transform the future of technology through integration of varied perspectives and through our distinctive research.

In the 2024 QS University Rankings by discipline, RMIT University was ranked at 170 globally for Computer Science and Information Systems and 57 in Library and Information Management. Education programs in Computer Science, Software Engineering, Data Science, Artificial Intelligence, Cyber Security and Information Technology are offered in the School of Computing Technologies, one of Australia's largest and leading educational facilities in the field.

We are a national leader in industry-connected learning in computing, data science, and IT. We have recently redesigned our undergraduate programs to provide a common foundation in programming for all SCT undergraduates. Our approach is centred on an innovative Bootcamp2Studio model that makes use of immersive and challenge-based pedagogy to drive higher-level learning. We provide students with practical learning experiences that will prepare them to contribute meaningfully to our world through their work.

The School is led by the Dean, School of Computing Technologies, and has three disciplines:
- Cyber Security & Software Systems (CSSS)
- Data Science & Artificial Intelligence (DSAI)
- Interaction, Technology & Information (ITI)

Our PhD students and faculty conduct world leading research in many areas of Computing and Computing applications, including in:

- Information Interaction and Information Retrieval
- Human-Computer Interaction

- Artificial Intelligence and Natural Language Processing
- Data Science and Machine Learning
- Recommendation and Big Data Analysis
- Cybersecurity
- Software Engineering
- Digital Health and AI in Health
- Computer Science Education

For more information about our School, its discipline structure and teaching and research focus areas please visit our website.

Position Summary

The Senior Lecturer will contribute to the teaching and research efforts of the School and DSAI discipline, across the University, and the community, professional, commercial and industrial sectors. The incumbent is to make a significant contribution to the delivery of programs and to be actively involved in research, consulting and other professional activities. The Senior Lecturer will develop, engage in and lead high quality research projects that are aligned with the University's research focus areas to achieve success in attracting research funding and to produce high quality outputs. The Senior Lecturer will have an important research leadership role in embedding their research expertise into the life of the School and DSAI discipline and will be required to develop high-quality, productivity-driven networks across RMIT and with local, national and global, internal and external partners. The Senior Lecturer may have responsibility for program management.

With this appointment we are looking to support the interdisciplinary and innovation objectives of the School and DSAI discipline, including fostering collaborations across the College of STEM and with other parts of the university. We are particularly interested in growing our strengths in areas such as:

- Algorithmic transparency/fairness
- Reinforcement learning

We also are open to further developing existing capabilities in:
- Machine learning, particularly of unstructured data (text, images, graphs)
- Digital Health, AI in Health, Computational Biology and Bioinformatics
- Data-driven Decision Making

and other areas that complement teaching and research in Computer Science, Data Science and AI.

Reporting Line

Reports to: Associate Dean of the Data Science & Artificial Intelligence (DSAI) Discipline
Direct reports: N/A

Organisational Accountabilities

RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

RMIT is committed to providing a safe environment for children and young people in our community. Read about our commitment and child safe practices. https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/safety-security/child-safety.

Appointees are accountable for completing training on these matters and ensuring their knowledge and the knowledge of their staff is up to date.

Key Accountabilities

1. Make original contributions in teaching and/or scholarship which expand knowledge or practice within the DSAI discipline including: designing, conducting and moderating assessment; implementing improvements informed by course evaluation activities and student feedback.
2. Conduct and lead high quality research, recognised at the national level: developing highly successful research teams; managing research projects and programs within timelines and budget and ensuring compliance with quality and reporting requirements; regularly publishing research results in high quality outlets as lead author and in collaboration with other researchers; identifying appropriate funding sources and prepare successful external research funding submissions; supervising higher degree by research candidates.
3. Participate in School and College strategy development and governance and make a significant contribution to administration activities of an organisational unit or an interdisciplinary area at undergraduate, honours and postgraduate level, which may include program management of a large award program or a number of smaller award programs.

Key Selection Criteria

1. Demonstrated ability to coordinate large courses and prepare and delivery programs in Computer Science, Data Science and/or Artificial Intelligence at undergraduate and post-graduate levels, including high quality curriculum and program materials and ability to implement innovative approaches to student-centred learning and quality improvement.
2. Ability to manage a large program or a number of small programs.
3. Demonstrated ability to support student issues related to effective learning.
4. Emerging nationally recognised research track record including substantial record of research outputs in high quality outlets and emerging international recognition in Artificial Intelligence or related areas.
5. Extensive experience in research leadership with the ability to build and develop collaborative research teams, mentor academic staff to deliver high quality outcomes, attract and secure external research funding to sustain research effort and manage funded research projects including complex budgets and reporting requirements.
6. Extensive experience in supervising higher degree by research candidates to maximise research performance.
7. Demonstrated ability to manage academic program team, supporting scholarly development of less experienced academic staff.
8. Demonstrated understanding of and commitment to financial, governance and quality management systems within a university.
9. Demonstrated high level of interpersonal, communication and negotiating skills including the ability to consult with senior executives, external bodies, produce executive reports, negotiate agreed directions, outcomes and targets within a collaborative environment.

Qualifications

Mandatory: PhD in Computer Science, Artificial Intelligence, or other relevant field

Note: Appointment to this position is subject to passing a Working with Children Check and other checks as required by the specific role. Maintaining a valid Working With Children Check is a condition of employment at RMIT.

Preferred: Completion of the Intro to Learning and Teaching Course (Login required) or possess (or eligible to apply for) appropriate HEA Fellowship (login required).

Endorsed:	Signature: Name: Title:	Approved:	Signature: Name: Title:

	Date:		Date:

[1] Equivalence is defined in the exemption criteria at **Appointment of staff without Doctoral qualifications** instruction