Position Description – Associate Professor, Data Science and Artificial Intelligence

Position Details

Position Title:	Associate Professor, Data Science and Artificial Intelligence
College/Portfolio:	College of STEM
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 D
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 with more than 96,000 students and close to 10,000 staff globally. 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.
https://www.rmit.edu.au/about
https://www.universitiesaustralia.edu.au/university/rmit-university/

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 Associate Professor will provide leadership and foster excellence in teaching and research efforts of the School and DSAI discipline, across the University, and with the community, professional, commercial and industrial sectors. More specifically, the Associate Professor is responsible for providing original, innovative and distinguished contributions to the school's programs for maintaining and advancing their scholarly, research and/or professional capabilities relevant to this discipline at a national and international level.

The Associate Professor will also teach and make a significant contribution to teaching and learning in the discipline with the aim of improving learning outcomes for students. The Associate Professor will make a significant contribution to the planning and strategic direction of the School, taking on academic leadership roles involving participation in various committees within the School, College and University and external to the University, as appropriate. The Associate Professor may be appointed as Deputy Head of School/Dean for a specific discipline or to provide strategic leadership for learning and teaching or research and scholarship.

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. Contribute to teaching in core areas of Computer Science, Data Science, Artificial Intelligence, Software Engineering, or Information Technology.
2. Lead advancement of teaching in the discipline including initiating program improvements, improving academic standards, leading assessment design, conduct and moderation.
3. Lead research contribution in their discipline at national and international level including: developing highly successful research teams; leading publication effort of research team/s; identifying and attracting external research funding to sustain research growth within the College; supervising higher degree by research candidates.
4. Lead outstanding contribution to the teaching, research and/or scholarship activities of an organisational unit, including a large organisational unit, or interdisciplinary area.
5. Make an outstanding contribution to the governance and collegial life inside and outside of the University.

Key Selection Criteria

1. Demonstrated ability to direct an award program/s in Computer Science, Data Science, and/or Artificial Intelligence and implement program improvements and innovative approaches to student-centred learning and quality improvement programs.
2. 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.
3. 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, manage funded research projects including complex budgets and reporting requirements.
4. Extensive experience in supervising higher degree by research candidates to maximise research performance.
5. Demonstrated ability to lead scholarly development and manage and supervise academic teams and members.
6. Demonstrated understanding of and commitment to financial, governance and quality management systems within a University.
7. 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.
8. Proven ability as an effective member of a management team that develops and achieves shared goals and objectives.

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 [Essentials of Learning and Teaching (login required)](#) or possess (or eligible to apply for) appropriate HEA fellowship (if the appointed candidate does not meet this requirement at time of appointment, they will be supported to complete this).

Endorsed:	Signature:	**Approved:**	Signature:
	Name:		Name:
	Title:		Title:
	Date:		Date: