

Position Description – Senior Lecturer in Computer Science

Position Details

Position Title:	Senior Lecturer in Computer Science
Position Number:	NEW
College/Portfolio:	SEH
School/Group:	Science
Campus Location:	Based at the 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

RMIT University

RMIT is a leading multi-sector university of technology, design and enterprise with more than 91,000 students and 11,000 staff globally. We offer postgraduate, undergraduate, vocational education and online programs to provide students with a variety of work-relevant pathways.

Our purpose is to offer life-changing experiences for our students, and to help shape the world with research, innovation, teaching and industry engagement. With strong industry connections forged over 130 years, collaboration with industry remains integral to RMIT's leadership in education, applied and innovative research, and to the development of highly skilled, globally-focused graduates.

With three campuses in Melbourne (Central Business District, Brunswick and Bundoora), two in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain, RMIT is a truly global university. RMIT also offers programs through partners in Singapore, Hong Kong, mainland China, Indonesia, Sri Lanka, Belgium, Germany, Austria and The Netherlands, and enjoys research and industry partnerships on every continent.

We are also committed to redefining our relationship in working with and supporting Aboriginal 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

We're proud to share with you:

- The launch of our second [Reconciliation Plan for Dhumbah Goorowa– a “commitment to share” - an important step in our reconciliation journey.](#)
- RMIT University is an **Athena SWAN** member with Bronze Award accreditation and the College of Science, Engineering and Health is central to driving improvements in gender equality, diversity and inclusion, particularly in the Science, Technology, Engineering, Mathematics and Medicine (STEMM) disciplines.
- RMIT was placed **10th in the 2019 Randstad Employer Brand Research Awards**, up five spots from 2018.
- We were named as an **Employer of Choice for Gender Equality** by the Workplace Gender Equality Agency in 2019.
- We achieved **Gold Employer status for LGBTIQ** inclusion in the Australian Workplace Equality Index (AWEI) in 2018 and now in 2019.
- We were recognised as a **top five employer in 2018 for workplace accessibility** with the Australian Network on Disability.

RMIT Standings in university rankings

RMIT has a deep commitment to innovation, research and teaching, we are a 5-Star university under the QS Stars international evaluation system and are **238th globally in QS World University Rankings 2020** (moved up 12 places compared to 250th last year), being also 32nd in the world among universities less than 50 years old (2014 QS Top 50 Under 50 index). Additionally:

- In the 2019 QS World University Rankings by Subject, RMIT was positioned 12th in the world (highest ranked in Australia) in Art and Design, 22nd in the world (fourth highest in Australia) in Architecture and the Built Environment, and 37th in Media and Communications. We are also among the world’s top 100 universities in Engineering (Civil and Structural; Electrical and Electronic; and Mechanical, Mechanical, Aeronautical and Manufacturing); Accounting and Finance; and Business and Management Studies).
- In the 2018 QS Rankings by Subject, RMIT was ranked 11th in the world and number one in the Asia Pacific for Art and Design, and 26th in Architecture and the Built Environment. RMIT is also among the world’s top 100 universities in Engineering (Civil and Structural; Electrical and Electronic; and **Computer Science and Information Systems**); Accounting and Finance; Business and Management Studies; and Communication and Media Studies. The 2018 Shanghai Ranking’s Global Ranking of Academic Subjects highlighted RMIT’s strength in Engineering and Technology in particular.
- In the specialised rankings, RMIT is ranked 77th in the QS Graduate Employability Rankings 2020 and 82nd in the inaugural Times Higher Education University Impact Rankings 2019.
- RMIT also ranks in the world’s **top 400** in the 2019 Academic Ranking of World Universities and in the world’s **top 400** in 2020 Times Higher Education World University Rankings.

For more information, visit rmit.edu.au/about

College/Portfolio/Group

The College comprises four Schools delivering a broad range of programs in science, engineering, health and technology at apprenticeship, certificate, bachelor, masters and PhD levels. Many programs articulate between vocational and higher education, creating pathways for further study. There is a vibrant research community attracting funding from a range of government and industry sources. The College has an annual income of approximately \$450 million and employs over 1,000 staff providing on and offshore programs to approximately 20,000 students.

More information about the College may be found at: www.rmit.edu.au/seh

School of Science

The School of Science provides over 45 bachelor and postgraduate programs, and undertakes world class research across the disciplines of Biosciences and Food Technology, Chemistry and Environmental Science, Physics, Mathematical Sciences, Geospatial Sciences and Computer Science (Information Technology and Software Engineering).

One of RMIT's top-performing research schools, we deliver research that addresses the 'real life questions' essential to Australia's innovation agenda. Our high-quality teaching programs inspire students to pursue careers in a range of industries including biotechnology, health, materials technology, food, geospatial and surveying, environmental science, banking and commerce, as well as computing and IT roles and research and development across a wide range of areas. The School has staff, students and facilities on both the City and Bundoora campuses, has 300 staff, 450 higher degree research students, over 3800 coursework students and an annual budget of \$140 million

Details relating to the School can be found at www.rmit.edu.au/about/our-education/academic-schools/science/

Discipline of Computer Science and IT

Computer Science, Software Engineering, and IT programs at RMIT University are offered through the disciplines of Computer Science and IT, and Computer Science and Software Engineering, which together comprise one of Australia's largest and leading educational facilities in the field. In the 2018 QS University Rankings by discipline, RMIT University was ranked top-100 globally for Computer Science and Information Systems. RMIT University prides itself on the quality of its graduates, achieved through programs that have a strong emphasis on both theory and practice, and seeks to make a significant contribution to computing and IT education and research.

The teaching programs of the Computer Science disciplines cover a wide range of pertinent areas including programming languages and methodology, software engineering, computer architecture, systems analysis and design, theory of computation, database systems, games and graphics, artificial intelligence, data communications and networks, operating systems, web based computing, search engines, and computer and network security.

The School has research groups in the areas of:

- Big Data and Data Analytics
- Information Retrieval and Web Search
- Machine Learning and Evolutionary Computing
- Intelligent Agents and Multi-Agent Systems
- Networked Systems and Cyber security
- Smart Sensing and Services
- Computer Science Education

More information on Computer Science and IT research can be found at:

<https://www.rmit.edu.au/about/schools-colleges/science/research/research-areas/computer-science-and-information-technology>

Position Summary

The Senior Lecturer is expected to contribute to the teaching and research efforts of the School, in disciplines related to their field of expertise. More specifically, the Senior Lecturer is responsible for carrying out teaching activities within undergraduate, Masters and Graduate Diploma programs and for maintaining and advancing their scholarly, research and/or professional capabilities. The Senior Lecturer is also expected to actively promote the program by establishing and maintaining memberships, links and partnerships with academic, industry and professional communities. The Senior Lecturer is expected to work collaboratively and collegially with fellow academics within the teaching team, and update colleagues and students on developments in their subject area or specialisation. The Senior Lecturer may be responsible for course coordination.

Reporting Line

Reports to: Associate Dean or Discipline Leader, Computer Science and IT

In relation to any course coordination, the Lecturer / Senior Lecturer is responsible to the relevant Program Manager.

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.

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. Undertake independent teaching in Computer Science / IT / Software Engineering and related programs at undergraduate, honours and postgraduate level including: designing, conducting and moderating assessment; implementing improvements informed by course evaluation activities and student feedback. A Senior Lecturer appointee would be expected to make original contributions in teaching and/or scholarship which expand knowledge or practice within the discipline including: designing, conducting and moderating assessment; implementing improvements informed by course evaluation activities and student feedback.
2. Undertake independent professional activities, scholarship and/or conduct high quality research activities appropriate to the profession or discipline including: managing individual projects within timelines and budgets and ensuring compliance with quality and reporting requirements; publishing research results in high quality outlets as lead or co-author; preparing and submitting external research funding applications; and supervising higher degree by research candidates. A Senior Lecturer would be expected to produce research contributions recognised at the national level, and to identify appropriate funding sources and prepare successful external research funding submissions.
3. Undertake administration duties, which may include course coordination role or management of a small award program. A Senior Lecturer would be expected to 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 prepare and deliver courses in core Computer Science / IT / Software Engineering at undergraduate and post-graduate levels, including online delivery, and the ability to produce high quality curriculum or program materials, and ability to implement innovative approaches to student-centred learning and quality improvement. Demonstrated ability to undertake course coordination role. A Senior Lecturer would be expected to demonstrate ability to manage a large program or number of smaller programs.
2. Demonstrated capacity to work effectively with and to negotiate sensitively with students especially on issues related to effective learning.
3. Emerging track record and recognition for high-quality research outputs which will contribute to existing Discipline and School research areas evidenced by publications in high-quality Computer Science venues, development of new research initiatives, competitive research funding, and industry links. Appointment at Senior Lecturer level would require demonstrated ability to 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; a track record of significant external funded projects would be expected. A research track record in one or more of Artificial Intelligence, Cybersecurity, Distributed Systems, Data Management and Analytics, or Machine Learning would be viewed favourably.

4. Demonstrated ability and extensive experience in supervising Higher Degree by Research candidates to maximise research performance. Appointment at Senior Lecturer would require significant prior successful supervision.
5. Demonstrated ability to build effective networks with colleagues and generate alternative funding projects through effective liaison with industry and government. A Senior Lecturer appointment would require a demonstrated understanding of and commitment to financial, governance and quality management systems within a university.
6. Excellent interpersonal and communications skills appropriate for interacting with higher degree by research candidates, staff, industry and senior executives, together with a strong commitment to teamwork and multidisciplinary collaboration.
7. Commitment to Equal Opportunity principles and other RMIT HR policies.

Qualifications

Mandatory: PhD or equivalent¹ in relevant field.

Appointment to this position is subject to passing a Working with Children check

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 as a requirement to fulfil their probation).

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

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