School of Computing and Information Systems
Melbourne School of Engineering

Postdoctoral Fellow and Lecturer

POSITION NO 0047899
CLASSIFICATION Lecturer (Level B)
SALARY $98,775 - $117,290 p.a. (Level B)
SUPERANNUATION Employer contribution of 9.5%
EMPLOYMENT TYPE Full-time (Fixed Term contract for 3 years) position
OTHER BENEFITS http://about.unimelb.edu.au/careers/working/benefits
CURRENT OCCUPANT New
HOW TO APPLY Online applications are preferred. Go to http://about.unimelb.edu.au/careers, select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY Professor Justin Zobel
Email: jzobel@unimelb.edu.au

Please do not send your application to this contact

For information about working for the University of Melbourne, visit our website:
about.unimelb.edu.au/careers
The University of Melbourne

Established in 1853, the University of Melbourne is a public-spirited institution that makes distinctive contributions to society in research, learning and teaching and engagement. It’s consistently ranked among the leading universities in the world, with international rankings of world universities placing it as number 1 in Australia and number 32 in the world (Times Higher Education World University Rankings 2017-2018).

https://about.unimelb.edu.au/strategy/growing-esteem

Melbourne School of Engineering

Melbourne School of Engineering (MSE) has been the leading Australian provider of engineering and IT education and research for over 150 years. We are a multidisciplinary School organised into three key areas; Computing and Information Systems (CIS), Chemical and Biomedical Engineering (CBE) and Electrical, Mechanical and Infrastructure Engineering (EMI). MSE continues to attract top staff and students with a global reputation and has a commitment to knowledge for the betterment of society.

Our ten-year strategy, MSE 2025, is our School’s commitment to bring to life the University-wide strategy Growing Esteem and reinforce the University of Melbourne’s position as one of the best in the world. Investment in new infrastructure, strengthening industry engagement and growing the size and diversity of our staff and student base to drive innovation and develop the transformative technologies of the future are all fundamental principles underpinning MSE 2025.


The School of Computing & Information Systems

The School of Computing & Information Systems (CIS) undertakes research and teaching across a range of information technology disciplines including Software Engineering, Information Systems, and Computer Science. It offers a comprehensive range of IT courses at all levels, including offerings in science, engineering, and business, and is at the forefront of computing research in Australia and internationally with close links to major computing research initiatives, including Melbourne Bioinformatics, IBM Research, the Microsoft Research Centre for Social Natural User Interfaces (SNUI), and DATA61 (formerly NICTA).

The School’s aim is to attract and retain outstanding staff available in order to maintain a leading research and teaching. We have an existing highly successful research team in the area of the appointment, a large number of PhD students, and a substantial cohort of graduate students in our coursework Masters programs.

To find out more about CIS, visit: http://www.cis.unimelb.edu.au/
Position Summary

We are seeking a dynamic academic with expertise in Computer Science, preferably with expertise in areas such as information retrieval, machine learning, statistical measurement, and experimental design. You will join an internationally recognised group of academics and make a significant contribution to the teaching, research and administration of the School of Computing and Information Systems. The role is a combination of a half-time lecturer and a half-time postdoctoral researcher. As a postdoctoral fellow, you will report to Professor Zobel, and in this role undertake research under his direction, in a project on data bias and measurement bias in data-driven research such as information retrieval or machine learning applications. As a lecturer you will be expected to contribute to teaching in undergraduate and graduate programs within the School and take on administrative roles commensurate with the position, and also undertake your own independent research.

The School of Computing and Information Systems is an international research leader in computer science, information systems and software engineering. In this discipline, the School was ranked number 1 in Australia and 13th in the world in the 2016 QS World University Ranking exercise. The significant growth of the School is central to a bold 10-year strategy to transform the future of engineering and IT at the University of Melbourne and is a major initiative within the University's Growing Esteem strategy.

1. Selection Criteria

1.1 ESSENTIAL

- A PhD in Computer Science or equivalent.
- A relevant research track record as evidenced by research publications in high-quality journals, conferences, technical reports, or other scholarly publications.
- Potential to achieve the highest levels of scholarship.
- Demonstrated ability to perform independent research in or apply understanding of machine learning, information retrieval, and statistical methods for experimental design.
- Capacity to teach effectively across a range of subjects, including the capacity to develop and deliver seminars and lectures and contribute to other teaching activities.
- Excellent oral and written communication skills including the ability to build networks with other researchers, both local and international.
- Demonstrated ability to work both independently and as part of a team in a professional and collegial manner, and to build rapport with all levels of staff within a diverse work environment.

1.2 DESIRABLE

- Experience in supervising postgraduate research students.
- Experience with experimental design and application of computational methods to practical problems.
Experience in obtaining competitive research funding, either individually or as part of a team.

2. **Key Responsibilities**

Specific duties required may include the following:

2.1 **RESEARCH**

- Exercise leadership in scholarly research, in conjunction with other colleagues.
- Presentation of research workshops and seminars within the department.
- Publishing of papers in reputable international journals and conferences.
- The attainment of external research grant income.
- Participate as a chief investigator on research projects.
- Supervision of postgraduate students.

2.2 **TEACHING AND LEARNING**

- Coordinate and conduct lectures and tutorials at undergraduate and postgraduate level, including engagement in teaching innovation and improvement.
- Preparation of project work to support student learning.
- Performing marking and assessment duties and be responsible for supervision of project marking in subjects as lecturer-in-charge.
- Providing adequate access for and effective student consultation.
- Being proactive in the development of subject materials and delivery, including the use of web resources as appropriate.
- Act as Subject Coordinator in undergraduate and graduate subjects.
- Consult with students.
- Supervise undergraduate or postgraduate students engaged in coursework or smaller research projects.
- Demonstrated interest in the continued improvement of teaching quality.

2.3 **ENGAGEMENT**

- Build and foster partnerships with industry, government, collaborators at other Universities and other stakeholders that contribute to the engagement of teaching and research in the wider community engagement.
- Actively participate in professional activities including consulting, workshops and short courses for external participants, and participation in meetings of professional societies.
- Engage in knowledge transfer and community activities beyond the university.

2.4 **SERVICE AND LEADERSHIP**

- Participation in industry and community liaison activities as arranged by the department.
3. Equal Opportunity, Diversity and Inclusion

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University’s People Strategy 2015-2020 and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people’s age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous deserve to service for excellence and reach the targets of Growing Esteem.

4. Occupational Health and Safety (OHS)

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:
http://safety.unimelb.edu.au/topics/responsibilities/

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.