



October 12, 2019

### Research positions available in Logic for AI.

The successful applicants will join the Computational Logic for Artificial Intelligence (LOGIC-AI) Lab, under the supervision of Sasha Rubin. Specific topics of interest include:

- Formal Methods (Verification, Synthesis, Monitoring) of Autonomous Systems, Multi-agent Systems and Distributed Systems
- Logics in Artificial Intelligence and Planning
- Automata and Games

### PhD scholarship (3 years)

An ideal candidate for the PhD scholarship will be able to provide evidence of a strong background in formal methods or mathematical sophistication, and prior research experience. The PhD scholarship includes:

1. Tuition fees.
2. A living allowance of 35,000AUD per year for 3 years, exempt from taxes, with the potential of a top-up of 5,000AUD per year, taxed.
3. Funding to present at workshops and conferences.
4. No teaching obligations, and the option of paid tutoring.

Interested candidates should email Sasha Rubin a CV, the contact information of at least two references, and details of any prior research experience. Candidates for the PhD scholarship may be asked to read and report on a recent conference paper published in a conference such as AAAI, IJCAI, AAMAS, ICAPS, KR, LICS, or CSL. International students are encouraged to apply. Applications will be processed as they arrive.

### Research internship (3-6 months)

An ideal candidate for the research internship will be able to provide evidence of a strong computational or mathematical background, and the potential to pursue a PhD. The internship funding includes:

1. A single return flight to Sydney.
2. A stipend to help cover rent.

Interested candidates should email Sasha Rubin a CV, an academic transcript, the contact information of at least one reference, and details of any prior research experience. Candidates for the research internship may be asked to read and discuss a paper in the area. International students are encouraged to apply. Applications will be processed as they arrive.

### About Sydney

The School of Computer Science at The University of Sydney offers a first-class research environment, and Sydney has consistently been ranked 10th worldwide in the Mercer Quality of Living Survey.

"Sydney is the Harbour City. It is the largest, oldest and most cosmopolitan city in Australia with an enviable reputation as one of the world's most beautiful and liveable cities. Brimming with history, nature, culture, art, fashion, cuisine and design, it is set next to miles of ocean coastline and sandy surf beaches."

<https://en.wikivoyage.org/wiki/Sydney>