



# PhD Research Internships – Insight Via Artificial Intelligence

The Adelaide Graduate Research School (AGRS), in partnership with Adelaide-based SME Insight Via Artificial Intelligence (IVAI), is offering up to two internship opportunities for PhD students in the fields of Computer Science, Mathematics, Physics, and/or Machine Learning.

Insight Via Artificial Intelligence is an innovative Adelaide-based SME with extensive experience in the research, development, and deployment of artificial intelligence, machine learning, virtual/augmented reality, and data analytics technologies.

IVAI is currently working on research projects related to applications in Cyber Security, Space, Health, and Government, and is seeking two University of Adelaide PhD students to undertake research and development in any one of these fields. The successful candidates will undertake a minimum of 60 FTE business days of research and development with the company. The AGRS will support eligible students with a research internship scholarship (for 60 business days at the standard RTP rate).

## About the projects

IVAI's projects cover many areas of AI and Machine Learning, including Deep Learning, Natural Language Processing, and Computer Vision. The nature of the research and development activities undertaken by the successful applicants may include:

- Drawing on research literature and relevant theoretical frameworks
- Identification and collation of relevant data sets
- Training and implementing a range of models and techniques
- Conducting experiments and analysing results
- Writing or preparing investigative reports to summarise findings and suggest future research activities

Expected research outcomes for students may include:

- Experience in conducting research in artificial intelligence, including identification of and experimentation with the latest leading-edge techniques.
- Working collaboratively as part of a project team in a structured environment.
- Exposure to real-world applications for research and the challenges that clients are looking to solve.

The selected applicant, their supervisor, and IVAI will have the opportunity to discuss the nature of research and development activities and working arrangements post-selection.

## Eligibility:

The PhD student must be:

- within the first 18 months of their candidature,
- willing to undertake the research internship for a minimum duration of 60 FTE business days,
- making satisfactory progress,
- undertaking research in an area aligned with the proposed research internship project, and
- an Australian citizen.

More information about University of Adelaide's Research Internships is available here:  
<https://www.adelaide.edu.au/graduate-research/industry-opportunities/research-internships#additional-information>

## Application Process:

To apply, please email the following documents to [hdr\\_internships@adelaide.edu.au](mailto:hdr_internships@adelaide.edu.au) (HDR Internships Office) with the subject line - IVAI Internship:

- Resume
- Cover Letter (of not more than 2 pages) outlining your interest in the internship and describing how your research area aligns with the proposed field of research internship.

Application closing date: 15  
January 2023



## About IVAI

Insight Via Artificial Intelligence (IVAI) is an innovative Adelaide based SME with extensive experience in the research, development and deployment of artificial intelligence, machine learning, virtual/augmented reality and data analytics technologies. Our focus is on advancing the state-of-the-art in trusted artificial intelligence and on developing AI that augments human capability. We value collaboration and have proven capability to translate research into real world solutions for our clients. IVAI has a broad customer base, applying our capability across Defence, Government, Health and Industry sectors.

## Further enquiries

**Email:** [hdr\\_internships@adelaide.edu.au](mailto:hdr_internships@adelaide.edu.au)