

ONE BASIN CRC – STUDENT INTERNSHIP PROGRAM

Internship opportunities provided by industry partners

Name of Internship: Data Effects post-graduate internship

Internship ID: 22-07

Date posted: Fri 30 September 2022

Application due date: 5pm Thurs 20 October 2022

Internship description: *Work with a technology company on agricultural, environmental and peri-urban sectors research & development projects. Projects involve complex field data acquisition, development and deployment of real-time (IoT) sensing platforms, cloud data management, bespoke data communication/visualisation, machine learning, machine-to-machine communication and automated systems.*

Type of internship*: Research Practical workplace Short-term project

Preferred academic courses / disciplines: Software Engineering, Computer Science, Data Science, Artificial Intelligence, Electronic Engineering, Commercial and Industrial Design, Mechatronic Engineering, Mechanical and Aeronautical Engineering

Type of degree program: Undergraduate Honours Masters

Preferred period of internship: Flexible – all year round.
Preference for more than 8 weeks (3 months is ideal).

Full-time, part-time, hours per week: Flexible. More than 8 hours a week would be preferable (in blocks of more than 4 hours).

Location of internship: Adelaide CBD

Stipend or financial support: Possibly

Will any aspect be completed off-site/ remotely from the internship location? No

Technical skills and capabilities preferred: See preferred disciplines

Employability skills and capabilities preferred: In order of priority: 1. Attention to detail 2. Problem-solving 3. Adaptability 4. Analytical ability 5. Good communication skills

General requirements: None specified

Specific OH&S requirements: None

Name of CRC industry partner: Data Effects
www.dataeffects.com.au

Type of CRC industry partner: NRM Consulting Agribusiness
 Technology Water utility Government agency

Description of Organisation: Data Effects is a South Australian technology company that is committed to providing positive social, economic and environmental outcomes for Australian communities. We work closely with government and private industry on a diverse range of technology-focussed agricultural, environmental and peri-urban research and development projects. Data Effects specialises in project management, complex field data acquisition, development and deployment of real-time (IoT) sensing platforms, cloud data management, bespoke data communication/visualisation, machine learning, machine-to-machine communication and automated systems. Data Effects provides a friendly, welcoming and dynamic environment to undertake your student internship. We are conveniently located in the heart of Adelaide on level 2, 51 Rundle Mall (opposite H&M).

*** Types of internship:**

- **Research internship:** conducting research-related tasks for organisations and/or researchers internal or external to the University. Tasks vary but may include study design, participant recruitment, data collection and analysis and reporting findings. Depending on the research, it may be completed face-to-face or remotely/externally; students may complete a minimum number of hours/days depending on the course, could be from several weeks to months.
- **Practical workplace internship:** undertaking hand-on tasks that enable development of employability skills and application of degree knowledge in a not-for-profit, university, government, non-government organisation or industry. The internship is likely to be face-to-face, but depending on the nature of the tasks and the student's study area, there may be scope for some remote/external work; students complete a minimum number of hours/days depending on the course, could be from several weeks to months.
- **Short-term project:** where interns complete a set project that has agreed desired outcomes and deliverables. Depending on the project, it may be completed face-to-face or virtually/remotely/externally; students complete a minimum number of hours/days depending on the course, could e.g. be a 100 hrs.)