

Dan Feltham

EDUCATION

Bachelor of Engineering (Honours) & Bachelor of Commerce

Monash University | 2017 – 2022

Engineering specialisation: Software Engineering GPA: 3.7 | WAM: 78.7

Commerce major: Finance GPA: 3.0 | WAM: 74.8

EXPERIENCE

Junior Software Developer | Origin Energy | 03/2022 – Present

Returning to previous role to help Origin's data and analytics team develop software solutions.

Software Engineering Intern | Saputo Dairy Australia | 11/2021 – 02/2022

Engineering project to develop a tool to help junior maintenance staff inspect and report on the criticality of various assets on the dairy factory site.

- Led a team of multidisciplinary engineering students to develop a Python application in response to the project brief and the requirements of the end users.
- Designed and built the relational database model to support the reporting capabilities of the app.
- Set up the framework to convert the native python app to a flask-based web app.

Freelance QA Tester | Intelli-Systems | 09/2021 – 11/2021

Contract position to test and debug a job scheduling Python-based application for an electrician company.

- Fixed all the key issues and bugs ahead of schedule before the new version release at the end of contract.
- Refactored hundreds of lines of code to increase maintainability and readability without affecting functionality.
- Wrote over 30 detailed and documented unit tests to improve the robustness of code.

Software Engineering Intern | Origin Energy | 01/2021 – 06/2021

Industry placement with the data and analytics engineering team of Australia's largest energy retailer.

- Developed an in-house application utilising a deep learning model with TensorFlow to validate geographic addresses, foregoing third-party solutions to save tens of thousands of dollars in licensing per year.
- Utilised Python and SQL in conjunction with big datasets to aid in answering operational questions regarding solar panel performance and leading to improved business decisions.
- Integrated AWS cloud technology with Python projects for increased organisational accessibility.

EXTRA-CURRICULAR ACTIVITIES

High-Performance Computing Student Team | DeepNeuron | 04/2022 – Present

Partnering with researchers to design custom AI or HPC solutions and compete in international competitions.

Machine Learning Crash Course | Google Developers | 08/2021

Completed a course by Google to learn and apply fundamental ML concepts using their TensorFlow library.

Hackathon Participant | Monash Association of Coding | 07/2021

Developed a web-app to streamline the communication between disability support staff and their clients.

IT Peer Mentoring Program | Monash University | 01/2021 – 06/2021

Mentored an international first year IT student throughout their first semester of university at Monash.

Workshop Volunteer | Robogals | 2017 - 2020

Ran workshops for school kids with the aim of inspiring future women to consider a career in STEM.