

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

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 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 python job scheduling application for an electrician company.

- Fixed all the key issues and bugs ahead of schedule before the new production version was released at the end of contract.
- Refactored and removed hundreds of lines of code to increase maintainability and readability without a cost to functionality.
- Wrote over 30 detailed and documented unit tests.

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

Industry placement with the data and analytics 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 the company 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.

SKILLS

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| • Languages: Python, Java, C, SQL | • Machine learning |
| • AWS: S3, DynamoDB, Redshift, Lambda | • Firebase |
| • GIT | • Data analysis |
| • Linux | • Agile methodologies |

EXTRA-CURRICULAR ACTIVITIES

Hackathon Participant | Monash Association of Coding | 07/2021

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

Workshop Volunteer | Robogals | 2017 - 2020

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