

Jack Eadie

jeadie.github.io

Email : jack.eadie0@gmail.com

Phone: 0488590688

EDUCATION

- **University of Queensland** Brisbane, Australia
Bachelor of Mathematics; GPA: 6.92 *Feb. 2017 – Nov. 2020*
- **University of Queensland** Brisbane, Australia
Bachelor of Engineering (Honours); GPA: 6.82 *Feb. 2016 – Nov. 2020*
 - **Hawken Scholar:** 2016-2019. Awarded to engineering students in the top 5% of the cohort.
 - **Exchange Scholarship:** Studied pure mathematics and computer science at the University of Waterloo
 - **New Colombo Scholarship:** Studied the intersection of technology and entrepreneurship in Dalian, China.
 - **Research:** Honours thesis in Bayesian deep learning on longitudinal medical data for cancer prognosis
 - **Extracurricular:** Active member of UQ computing society, UQ social running club, engineering and electrically based engineering student societies, EUS and EBESS.

EXPERIENCE

- **MaxwellPlus** Brisbane, Australia
Data & AI Engineer *Apr 2018 - Present*
 - Automated and deployed AI training infrastructure using Kubernetes and other containerisation tooling across both Google Cloud and AWS.
 - Responsible for internal and production infrastructure, release automation and site reliability across the product within multiple environments that require medical regulatory compliance.
 - Improved CI/CD tooling for developer efficiency including browser testing, build times and system tooling.
 - Implemented batch and distributed data pipelines for processing DICOMs with Apache Beam Google Dataflow.
 - Researched and developed deep learning models in Tensorflow for MRI bias correction, modality transfer learning prostate cancer classification including reviewing and experimentally assessing new literature.
 - Developed features for Django backend including multi-factor authentication and automated HL7 integration
 - Developed features for React.js frontend applications including dynamically generated questionnaires.
- **Queensland Brain Institute** Brisbane, Australia
Scientific Programmer *Mar 2017 - Mar 2018*
 - Delivered a microscopy slide cropping platform to segment and crop propriety hdf5 on laptop specifications.
 - Developed a Django questionnaire app for research teams to organize results for their research.
- **Department of Defence** Canberra, Australia
Intern *Nov 2017 - Feb 2018*
 - Developed Python and C# solutions to augment the preexisting tool suites for assessing network security.
- **School of Mathematics and Physics, UQ** Brisbane, Australia
Research Scholar *June 2017 - July 2017*
 - Modelled the effects of Rho signaling at cell-cell junctions during mass cell migration.
 - Developed data visualisation and simulations in MATLAB to aid researchers understand the phenomenon.
- **NetEngine** Brisbane, Australia
Software Intern *Nov 2016 - February 2017*
 - Developed features on Ruby on Rails based applications, with exposure to other web technologies.

PROGRAMMING SKILLS

- **Languages:** Python, Bash, Java, MATLAB, Javascript, C, C#
- **Technologies:** GCP, Tensorflow, Django, Kubernetes, Helm, AWS, Terraform, React.js

HOBBIES

- Cello, running, reading