

Jack Eadie

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Experience

MaxwellPlus — AI & Data Engineer

April 2018 - PRESENT

Implemented batch & distributed data pipelines for processing DICOMs with Apache Beam & Google Dataflow

Automated production and training infrastructure using Docker, Helm within Google Cloud infrastructure.

Improved CI/CD tooling within multiple environments requiring medical regulatory compliance.

Researched and developed deep learning models for MRI bias correction, modality transfer learning & prostate cancer classification including reviewing and experimentally assessing new literature.

Undertaken my honours thesis in Bayesian deep learning on longitudinal medical data for cancer prognosis.

Developed features to the Django backend API such as multi-factor authentication and automated HL7 integration.

Queensland Brain Institute — Scientific Programmer

March 2017- April 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 — Intern

November 2017 - February 2018

Developed Python and C# solutions to augment the preexisting tool suites designed for assessing network security.

School of Mathematics and Physics, UQ — 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 — Software Intern

November 2016 - February 2017

Developed features on Ruby on Rails based applications, with exposure to other web technologies.

EDUCATION

The University of Queensland — Bachelor of Engineering (Hons) & Bachelor of Mathematics

February 2016 - November 2020

GPA: 6.84

New Colombo Scholar: Studied the intersection of technology and entrepreneurship in Dalian, China.

Studied pure mathematics and computer science at the University of Waterloo, September - December 2019