Jack Eadie

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Experience

MaxwellPlus — *AI & Data Engineer*

April 2018 - PRESENT

Researched and implemented MRI bias field correction models using Tensorflow.

Automated deployment and infrastructure using Docker, Helm within Google Cloud infrastructure.

Used deep learning to implement prostate cancer classification models in Tensorflow

Researched and proposed medical imaging transfer learning methods to improve the feature extractor layers of various computer vision models.

Batch & distributed data pipelines for processing DICOMs using Apache Beam & Google Dataflow

Reverse engineered 3rd party systems to automate blood test ordering, payment, and results within our system.

Implemented data processing, storage & analysis of HL7 reports arriving from external services.

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

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