

Liam Graham

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Experience

The University of Queensland

February 2020 - July 2020

Casual Demonstrator

- Led tutorials and provided instruction on course content
- Performed exam and assignment marking
- Developed online tools to assist student learning

St Peters Lutheran College

May 2019 - Present

Robotics Mentor

- Provide coaching in robotics and programming for students in the St Peters robotics program

Infosys Limited

December 2018 - February 2019

Software Engineering Intern

- Created system for clustering and visualising tweets for business leaders
- Implemented RESTful clustering API using Flask, as well as a Python wrapper for Twitter Search API and scikit-learn-based clustering framework

Incitec Pivot Limited

October 2016 - November 2017

Projects Assistant

- Provided support for project managers on capital improvements projects

Volunteering

4ZZZ Community Radio Station

April 2015 - Present

Radio Producer/Announcer

- Produced and hosted weekly Australian music radio show
- Speak on-air to audience and with guests and other announcers

Education

The University of Queensland

2016 - Present

Bachelor of Engineering (Honours) – Software

Dean's Commendation for Academic Excellence (2018)

Dean's Commendation for Academic Excellence (2020)

Skills

Languages

Python, Java, C, HTML, CSS

Technologies

git, Linux, Google Cloud

Topics

Algorithms and data structures, RESTful API design, Networking and security, Blockchain, Web development, User-centred design, Software development processes

Projects

Thesis Project

February 2020 - Present

Automatic grapheme-to-phoneme (g2p) conversion for Elpis

- Integrate existing automatic g2p system into Elpis ASR pipeline
- Conduct interviews and user testing to produce optimal user interface
- Implement user interface for g2p stage of React-based Elpis GUI

BarkChain

June 2020

Ethereum-based system for transparent dog ancestry to promote ethical breeding

- Implemented smart contracts for vet registration and authentication in Solidity
- Implemented vet authentication and vet approval process for React web application