

# Liam Graham

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## Experience

### The University of Queensland

February 2020 - July 2020

#### Casual Demonstrator

- Lead 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