

Education

- University of Adelaide** Adelaide, South Australia
Bachelor of Engineering (Honours)(Software) 2015 - Present
 - Expected Completion: November 2018
 - GPA: 5.8 / 7

Experience

- University of Adelaide** Adelaide, South Australia
Computer Science Learning Centre Tutor 2016 - Present
 - Casual one-on-one tutoring targeted at first-year students

Skills

| Language | Years | Technology | Years |
|-------------|-------|------------|-------|
| Java | 2 | Android | 2 |
| Python | 2 | Git | 2 |
| C++ | 2 | SVN | 2 |
| HTML/CSS/JS | 4 | Node.js | 0.5 |

Personal Projects

- Toffeed** Android (Java)
<https://github.com/JakeLane/Toffeed>
 - Wrapper app for Facebook's mobile site that provides enhancements and a (somewhat) native app feel
 - Utilises injected JavaScript to manipulate the DOM and JavaScript Interfaces to obtain data directly from the site
 - Over 25000 downloads on Google Play
- Wolfram|Alpha Reddit Bot** Python
<https://github.com/JakeLane/WolframAlpha-Reddit-Bot>
 - A Reddit bot written in Python using PRAW that replies with data from the WolframAlpha API when summoned or a direct link is posted
- RapidTools** Java
<https://github.com/JakeLane/RapidTools>
 - A server plugin that I developed for use on the Rapid Minecraft server

- Served many functions, which reduced the amount of plugins required (thus improving server performance)
- Interfaced with a website that I also built for the server

• **Bell Warning System**

PHP and Python

- *No source available due to copyright restrictions*
 - A (school) bell system that rings based on a timetable
 - Major project for Year 12 Electronics
 - Utilised a Raspberry Pi and three motorbike horns
 - User interface was programmed in PHP and a Python service handled the relay signals

Miscellaneous

• **Volunteering**

- University of Adelaide
 - * Working with secondary students to teach programming fundamentals
 - * Computer Science Club of Adelaide University events
- Lyndoch Tennis Club
 - * Current Webmaster

• **Hobbies**

- Hobby electronics (i.e. Raspberry Pi)
- Swimming
 - * Former State Level Competitive Swimmer
- Tennis

Relevant Courses

- | | |
|------------------------------------------|------------------|
| • Algorithm Design & Data Structures | Distinction |
| • Object Oriented Programming | Distinction |
| • Electrical & Electronic Engineering IB | High Distinction |
| • Statistical Practice I | High Distinction |
| • Web & Database Computing | Distinction |
| • Artificial Intelligence | Distinction |