

Experience

- **Alcidion Corp.** Wayville, South Australia
Software Development Intern *November 2016 - February 2017*
 - Developed an editor webapp for Miya Smartforms™ with Typescript, React, and Redux
 - * Utilised React DnD to provide a Drag and Drop interface
 - * Implemented compiling to and from Smartdown (a markup language) with ASTs and static analysis
 - Developed a React Redux webapp to display data from Team Foundation Server in an interactive format
- **School of Computer Science, University of Adelaide** Adelaide, South Australia
Casual Teaching *March 2016 - Present*
 - Taught first and second year students in practicals, tutorials, and one-on-one tutoring

Education

- **University of Adelaide** Adelaide, South Australia
Bachelor of Engineering (Honours)(Software) *2015 - Present*
 - Expected Completion: November 2018
 - GPA: 5.9 / 7

Skills

Language	Proficiency	Technology	Proficiency
C++	Advanced	Android	Intermediate
HTML/CSS/JS	Advanced	Git	Intermediate
Java	Intermediate	ReactJS	Intermediate
Python	Intermediate	Typescript	Intermediate
		NodeJS	Basic

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 30,000 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 Wolfram|Alpha 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 RapidCraft Minecraft server
 - Served many functions, which reduced the amount of plugins required (thus improving server performance)
 - Interacted with an API to display output on the website

Miscellaneous

- **Volunteering**
 - University of Adelaide
 - * 2017 Committee member for Computer Science Club of Adelaide University
- **Hobbies**
 - Hobby electronics (i.e. Raspberry Pi)
 - Swimming
 - * Former State Level Competitive Swimmer
 - Tennis

Relevant Courses

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| • Algorithm and Data Structure Analysis | Distinction |
| • Problem Solving & Software Development | High Distinction |
| • Artificial Intelligence | Distinction |
| • Advanced Programming Paradigms | Distinction |
| • Web & Database Computing | Distinction |
| • Electrical & Electronic Engineering IB | High Distinction |
| • Statistical Practice I | High Distinction |