

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

## 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	SVN	Intermediate
Python	Intermediate	ReactJS	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

- 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