

Jake Lane

Software Engineering Student
Barossa, South Australia

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Experience

- **Dolby Australia** Sydney, New South Wales
Intern Engineer Nov 2017 - Feb 2018
- **Alcidion Corp.** Wayville, South Australia
Software Engineering Intern Nov 2016 - Feb 2017, Jul 2017 - Jul 2017
 - Worked on a Miya product in the product development team
 - Developed an interactive editor webapp with Typescript, React, Redux, React DnD
 - * Implemented compiling to and from Smartdown (a markup language) with ASTs, static analysis, and recursive descent parsing
 - 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
Teacher's Assistant March 2017 - Present
 - Taught first and second year students in practicals
 - Courses: Algorithm Design & Data Structures, Object Oriented Programming, and Web & Database
 - Previously tutored one-on-one for the Computer Science Learning Centre in 2016

Education

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

Skills

Language	Years	Technology	Years
C++	3	Android	2
Java	4	Git	4
HTML/CSS/JS	6	ReactJS	0.5
Python	1	Typescript	0.5
		NodeJS	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 50,000 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>

- Custom Minecraft server plugin
- 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 |