Jake Lane

Software Engineering Student
Lyndoch, South Australia

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http://jakelane.me
https://github.com/JakeLane

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

- 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