

# Jake Lane

Software Engineering Student  
Lyndoch, South Australia

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http://jakelane.me

## Education

- **University of Adelaide** Adelaide, South Australia  
*Bachelor of Engineering (Honours)(Software)* 2015 - Present
  - Expected Completion: November 2018
  - GPA: 5.875 / 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++	1	SVN	1
C#	0.5	Node.js	0.5
HTML/CSS/JS	4		

## Personal Projects

- **Toffeed** Android (Java)
  - 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
  - Source available at <https://github.com/JakeLane/Toffeed>
- **WolframAlpha Reddit Bot** Python
  - Reddit bot written in Python using PRAW that replies with data from the WolframAlpha API when summoned or a direct link is posted
  - Source available at <https://github.com/JakeLane/WolframAlpha-Reddit-Bot>
- **RapidTools** Java
  - 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
- Source available at <https://github.com/JakeLane/RapidTools>

- **Bell Warning System**

PHP and Python

- Major project for Year 12 Electronics
- A (school) bell system that rings based on a timetable
- 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

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|--|------------------|
| ● 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                | Pending          |
| ● Computer Networks & Applications       | Pending          |