Jake Lane
Software Engineering Student
Lyndoch, South Australia

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

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++	1.5	SVN	1
HTML/CSS/JS	4	Node.js	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 25000 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 WolframAlpha 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 Rapid Minecraft server

- – Served many functions, which reduced the amount of plugins required (thus improving server peformance)
  - – Interfaced with a website that I also built for the server
- **Bell Warning System**   PHP and Python
  No source avalible due to copyright restrictions
  - – A (school) bell system that rings based on a timetable
  - – Major project for Year 12 Electronics
  - – 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

- 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   Distinction