

# Lachlan Dee

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## Education

### The University of Melbourne

Melbourne, Australia

#### MASTER OF ENGINEERING (SOFTWARE)

Feb. 2016 - Dec. 2017

- Current WAM of 81.33

#### BACHELOR OF SCIENCE (COMPUTING AND SOFTWARE SYSTEMS)

Feb. 2013 - Dec. 2015

- Graduated with Second Class Honours A, in major WAM: 79.80

## Experience

### The University of Melbourne

Melbourne, Australia

#### COMPUTER SCIENCE TUTOR AND DEMONSTRATOR

Jul. 2016 - Present

- Conduct weekly classes in undergraduate subject, Foundations of Computing, which teaches basic python programming.
- Ensure retention of core computer science topics such as fundamental data structures and programming abstraction.
- Other duties include marking, liaising with staff and conducting online help forum.

### Modano

Melbourne, Australia

#### STUDENT SOFTWARE ENGINEER

Dec. 2015 - Mar. 2016

- Automated user diagnostics in .NET application, improving customer feedback abilities.
- Wrote monitoring tool for AWS infrastructure (Clojure), and displayed information on Wallboard (javascript) for team to view.
- Improved Jenkins environment to allow for simpler product deployment.

## Select Projects

### Asset Management System

#### RAILS APPLICATION

Jun. 2016 - Nov. 2016

- Developed responsive Rails application for Ronald McDonald House Charities Parkville Chapter, designed to track over 1000 items across 50 rooms.
- Key features include unique barcoding with QR scanning, issue raising / management and user access control.
- Lead the team as Product Manager, managing all communications with the client; and as development lead.

### Public Transport Victoria Command Line Interface

#### PYTHON

Jan. 2017 - Present

- Access information via PTV public facing API.
- Allow users to favourite journeys to quickly view information.
- Developed using Docopt library, distributed via PyPi.

### Snapchat Clone

#### REACT NATIVE

Jun. 2016 - Nov. 2016

- Implemented basic Snapchat application, with features including sending pictures, adding friends, creating stories.
- Extended to include exploration via snap location.
- Developed in React Native for iOS, used FireBase as backend to store application data.

## Languages and Technologies

**Competent** Java, Python

**Intermediate** C, C++, Ruby (and Rails), Clojure, .NET, C#

**Familiar** Prolog, Swift, Javascript

## Extracurricular Activities

### Computing and Information Systems Student Association (CISSA)

Melbourne, Australia

#### VICE PRESIDENT

Oct. 2015 - Present

- Plan and execute major events, liaise with industry partners and represent student body in relations with faculty.
- Currently serving second term.

### Spark Engineering Camp

Melbourne, Australia

#### MENTOR, COMMITTEE SECRETARY

May 2015 - Oct. 2016

- Aided in planning and execution of week long camp, both in 2015 and 2016.
- Ran engineering and personal development activities for group of 50 students.

