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, teaching basic python programming.
- Ensure retention of core computer science topics such as fundamental data structures and programming abstraction.
- Other duties include marking, monitoring progress with teaching team and conducting online help sessions for struggling students.

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 for team to view (Javascript).
- Improved Jenkins environment to allow for simpler product deployment.

Select Projects

Asset Management System
RUBY ON RAILS   *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 item recognition by QR code, issue raising / management, and user access control.
- Lead the team as product owner, managing all communications with the client; and as development lead.

Public Transport Victoria Command Line Interface
PYTHON   *Jan. 2017 - Present*
- Developed simple tool to allow fast and intuitive access to Victorian Public Transport information from the command line.
- Allow users to write custom commands to tailor information provided to their needs.

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 of public snaps by location.
- Developed in React Native for iOS, used FireBase as backend to store application data.

Languages and Technologies (IN ORDER OF PROFICIENCY)

Languages   Java, Python, Ruby, C, C++, Clojure, .NET, C#, Javascript, Swift, Haskell, Prolog
Platforms/Libraries   Ruby on Rails, React, jQuery
Databases/Tools   Git, MySQL, Jenkins

Extracurricular Activities

Computing and Information Systems Student Association (CISSA)   *Melbourne, Australia*
VICE PRESIDENT   *Oct. 2015 - Present*
- Plan and execute major events, manage industry sponsors 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.