

# Software Engineer

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## Skills

### CORE

Frontend + Backend Development iOS Development RESTful API Design UI/UX Design  
Dynamic Programming Concurrent Programming Project Management Reporting  
Prototyping Excellent Communication Skills High Coding Standards Researching Teaching

### TECHNICAL

Objective-C Swift Node.js JavaScript CoffeeScript DOM AngularJS Ruby on Rails  
Bootstrap SCSS LESS CSS3 L<sup>A</sup>T<sub>E</sub>X C# UIKit .NET C C++ Pascal

### SOFTWARE

Git AWS Docker Apache2 MySQL PostgreSQL MongoDB Nginx Xcode Atom  
Xamarin Coda 2 Trello Pixelmator Lucidchart

## Experience

### iOS Developer

Aug 2015–Feb 2016

SEEK Ltd., Melbourne

SEEK is Australia's largest jobs, employment, career and recruitment website.

- > Development and release of the SEEK jobseeker iPhone and iPad app.
- > Integrated a prompt for app feedback review, which improved the App Store rating from six 1 star reviews to 33 reviews averaging 4.5 stars on launch-day alone.
- > Added personal recommendations to the jobseeker app, providing thousands of personalised jobs to candidates on their mobiles.
- > Experience with continuous deployment and test-driven development environments.

### Software Engineer

Aug 2014–Aug 2015

Swinburne NICTA Software Innovation Lab (SSIL), Hawthorn

SSIL delivers research-driven high-impact software solutions and is partnered with NICTA.

- > Lead drone-flight software project that automates drone flights.
- > Developed fleet visualiser prototype integrated using Google Maps SDK used for bus fleets in Kuala Lumpur.
- > Created a web-based IDE used for rapid prototyping software to create Android applications using a custom DSL.
- > Development with bleeding-edge technology stacks and rapid-prototyping environment.

### Tutor

Mar 2014–Aug 2016

Swinburne University of Technology, Hawthorn

Teaching first-year introductory programming and object-oriented programming units.

- > Engagingly teaching students to learn foundation programming concepts
- > Group discussion and running group exercises
- > Preparing students for future programming and problem-solving units
- > Helping students through basic Pascal, C and C# and giving one-to-one feedback

## Freelance UI/UX Designer

Mar 2014–Aug 2016

LeadSoftware, Melbourne

LeadSoftware specialises in complete tracking, logistic and dispatch systems.

- > Lead UX and UI design for FairFind, a global marketplace for antique, fashion, fine art and collectable fairs.
- > Lead UX and UI design for a large-scale on-board taxi dispatch system and iOS/Android apps in development for CABiT, a Melbourne-based Taxi company
- > Strong interaction with development team to explain prototypes and mock-ups developed and provide feedback on implemented designs
- > Iterative prototype process using a mix of whiteboard, Pixelmator, Keynote and FluidUI

## Open Source

### Doubtfire Learning Management System

July 2013 – Present

Postgres Ruby on Rails Grape AngularJS CoffeeScript

[github.com/doubtfire-lms](https://github.com/doubtfire-lms)

- > Developed majority of web-based front-end
- > Automated processor for student work upload pretty-printed to PDFs
- > Burndown charts to view student progress
- > Visualisations representing student learning
- > Integrated ticketing system for student helpdesk
- > Used at Swinburne, Monash and Deakin universities

## Education

### B.Sc. Software Development Major

Aug 2013–Present

Swinburne University of Technology, Hawthorn

GPA 4.0

### Victorian Certificate of Education (VCE)

Feb 2010–Nov 2012

Parade College, Bundoora

Australian Tertiary Admittance Ranking (ATAR) of 98.00 of 99.95.

## Awards

### Certificate of Achievement Awards

Nov 2014, Jul 2015

Highest Achieving Student with the highest marks in nine subjects.

Awarded by Prof. John Wilson – Executive Dean, Faculty of Science, Engineering and Technology, Swinburne University.

### Certificate of Appreciation Award

1 Nov 2013

Swinburne ICT Student Ambassador Program.

Awarded by Prof. Leon Sterling – Dean, Faculty of ICT, Swinburne University.

### Vice Chancellor's Scholarship

31 Mar 2013

On outstanding academic excellence.

Awarded by Prof. Linda Kristjanson – Vice Chancellor, Swinburne University.

### Dux Award

8 Feb 2013

On excellent VCE results and one of the highest ATAR scores in the college.

Awarded by Dr. Denis Moore – Principal, Parade College.

## Extra Curricular

### University

- > Member of the Swinburne Tinkerers Guild
- > Open Day Volunteering—discussing and advocating Swinburne degrees
- > Spokesperson for Swinburne’s Faculty of Information Technology
- > Mentor for VCE students enrolled in Swinburne’s Higher Education Studies within the VCE program

### Hobbies and interests

- > Orienteering, hiking and jogging
- > Antique computing
- > Casual indie game developer at *Paperbox Studios*

## Referrals

Dr. Andrew Cain  
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