Software Engineer
Alex Cummaudo

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Summary   Having just finished a six month contract as an iOS and web developer at SEEK.com.au, Australia's largest jobseeker and careers website, I am completing my final year in Computer Science at Swinburne University of Technology, where I also teach programming units to first-year students.
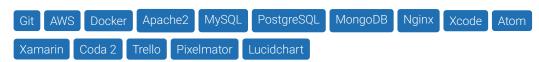
Skills

Core Strengths

Web Application Development   Mobile Application Development   RESTful API Development
Concurrent Program Design   Project Management   Reporting   UI/UX Design   Prototyping
Excellent Communication Skills   Researching   Teaching

Technical Skills

Objective-C   Swift   Node.js   JavaScript   CoffeeScript   DOM   AngularJS   Ruby on Rails
Bootstrap   SCSS   LESS   CSS3   LaTeX   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 on the SEEK jobseeker iPhone and iPad app 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.

Teaching Assistant   Mar 2014–Present
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

Web Application Developer (Pro Brono)   **Winter Break–2014**
Swinburne University of Technology, Hawthorn
Development of a lightweight modern Learning Management System, *Doubtfire*.

> Building a large-scale web application utilised in tutoring position for student progress tracking (http://github.com/doubtfire-lms)
> Developing front-end development with Bootstrap and AngularJS
> Back-end development using Ruby on Rails, PostGres and Grape API

Contract Developer   **Mar 2014–Aug 2014**
LeadSoftware, Melbourne
LeadSoftware specialises in complete tracking, logistic and dispatch systems.

> Lead UX and UI design for 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

Education

Bachelor of Science (Professional Software Development)   **Aug 2013–Present**
Swinburne University of Technology, Hawthorn
High Distinction Average (GPA 4.0). Perfect marks of 100 in Introductory and and Object-Oriented Programming units; near-perfect marks of 98 in iOS Development and Usability.

Key Disciplines:
> Web and iOS Application Design and Development
> Concurrent Programming
> Data Structure Theory
> Development of Programming Languages
> User Interface and Experience Design
> Database Design and Programming

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   **November 2014, July 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 achieving excellent VCE results and attaining one of the highest ATAR scores in the college.
Awarded by Dr. Denis Moore – Principal, Parade College.

Extra Curricular

Open Source Software

> On GitHub as alexcu
> Primary developer for Doubtfire Learning Management System

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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