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.

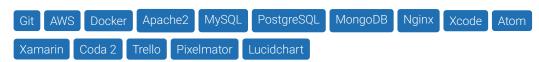
Skills Core Strengths



Technical Skills



Software



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 99 in Programming Language design and 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 col-

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

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