

# Daniel Cantwell

(909) 973-8520   dcantwel@usc.edu   15158 Ilex Dr. Chino Hills, CA 91709

## Education

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### University of Southern California

M.S. Computer Science

Spring 2016 - Fall 2017

B.S. Computer Science

Major GPA: 3.6

Dean's List

Graduating Fall 2015

### California State Polytechnic University, Pomona

Fall 2011 - Spring 2012

Studied Computer Science

GPA: 3.8

Dean's List

## Experience

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### Intel

Application Developer Intern

Web and iPhone Development

Summer 2015

Built a **.NET** application for parsing and searching logs

Created an iPhone app in **Swift**, to scan lab assets and get info, for internal use by 100+ employees

### USC

Research Assistant

Web & Android Development

Spring 2015

Designed and implemented a new user interface for a public transportation web app

Created corresponding **Android** app, integrating the Open Street Maps (**OSM**) api

### Garmin, Inc

Software Engineer Intern

Summer 2014

Wrote **Lua** scripts for automated testing. Simplified ~150 scripts down to 4 scripts and 1 config file

Used **C#** to create an interface to run the scripts, capture log data, and upload to a server using LINQ

Created **SQL** database to record script results, and **Microsoft Report Builder** to display the results

Software Engineer Intern

Summer 2013

Created an interface in **C++** for controlling a navigation unit simulator

## Personal Projects

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### Fit-Friend

**Android** app, published on Google Play market under "Cantwell Code"

Fitness and Nutrition - Record meals and workouts, plan and share with friends for added motivation

Integrated the **Parse API** for handling the database and user accounts

### Sim City Simulator

School group project in an Object Oriented Programming class

Written in **Java** using multithreading and an **Agent Design Pattern**, created a simulation of sim city

Contained Housing, Markets, Banks, Restaurants, and city streets with people, cars and stop lights

Continuous life-cycle of people working and interacting

### Cantwell Graphs

**Android** library at [github.com/danielCantwell/cantwellgraphs](https://github.com/danielCantwell/cantwellgraphs)

Open source library that makes it easy to create line graphs, bar graphs, and pie charts

Programmers can choose to use defaults, or customize many features, including user interaction

## Skills

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Agile	Git	Jira	Cordova	Angular	Parse	Firebase				
Java/Android		C/C++	HTML	Javascript	Swift	.NET	C#	Python	Lua	SQL

## Extracurriculars

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USC Triathlon Team

4 times competing at a national level

Ironman 140.6 finisher

Eagle Scout