

Summary of Qualifications

Frameworks	iOS, Android SDK, PhoneGap/Cordova, Appcelerator, jQuery, REST API
Languages/Tools	Proficient: Swift, Objective-C, Java, Lua Adept: C++, HTML, CSS, Javascript/JSON, Matlab Familiar: C, C#, VHDL, PHP
Miscellaneous	Agile Dev, Teamwork, Leadership, Git, Linux, Data Structures and Algorithms

Employment

Compass

New York, NY
Jan - April 2016

iOS Developer

- Worked with a team of 3 developers to manage 5 iOS applications for the luxury homes market, developing features that led to an 80% engagement rate on our apps
- Utilized polygon drawing and correction algorithms to enable users to draw custom boundaries on a map, in order to filter particular regions in a real estate search
- Architected major portions of the agents app, adding the ability for agents to see and interact with their clients, as well as view their own listing and search history
- Strengthened the Swift API layer in our apps to better communicate with and translate Thrift data structures coming from our servers

Autodesk

Toronto, ON
May - Aug 2015

Mobile Application Developer

- Used iOS Objective-C, Lua, and C++ to develop a contest feature for Sculpt+, a 3D-intensive social media app where users could share self-created 3D models
- Updated the Android app to be Gradle-based, reducing build speeds by up to 50%
- Improved the internal Kalpana 3D framework, used by multiple Autodesk apps

Metroland Media

Toronto, ON
Sept - Dec 2014

Software Developer

- Worked with the Appcelerator framework to develop the Save.ca hybrid mobile application, part of Canada's largest online shopping savings and deals ecosystem
- Used Javascript, HTML, CSS, Android Java, and jQuery to redesign the camera module, increasing the app's rating by 0.3 stars over the course of the term

Projects

TVRatings

Sept 2015

Android Application

Graphs IMDB rankings of TV show episodes, with WilliamChart & the MYIMDB API

Stars

April 2015

Matlab

Simulator that generates mathematical models of various stars based on the astrophysical laws of the universe

Midnight Sun

Sept 2012 - Sept 2015

Team Lead, Solar Car "Rayce" Team

Learnt PCB Design and Altium to build a solar race car that competed internationally

Education

Bachelor of

Applied Science

Sept 2012 - May 2017
(expected)

Computer Engineering, University of Waterloo

- CGPA: 3.9. Last Class Rank: 3rd of 65. Dean's Honour List in all academic terms
- Created 5 Android applications, including one which drew a path between two points that didn't hit any obstacles and could track your movements
- Recipient of the President's Scholarship and the Engineering Int'l Student Grant