

## SUMMARY OF QUALIFICATIONS

- **Languages:**
  - Proficient in Objective-C, C, C++, HTML, CSS
  - Experienced with Swift, Matlab, Javascript, Python, Shell, MySQL
- **Tools/ Frameworks:** iOS SDK, Cocos2D, UIAutomation, XC Testing, Cucumber, JQuery, AngularJS, MongoDB, Git
- **Software:** Xcode 6, Eclipse, JIRA, Solidworks, AutoCAD 2013, NX Unigraphics, EAGLE, Adobe Photoshop, Microsoft Office, Apple iWork
- **Electronics:** Assembly, PLCs, Arduino Microcontroller, used various lab equipment and sensors

## WORK EXPERIENCE

### iOS Developer

(Jan, 2015 - Apr, 2015)

Pebble Technology, Palo Alto, CA

- Developed new features for the Pebble Time iPhone app such as initial watch onboarding, My Pebble screen UI, calendar event synchronization, and audio endpoint
- Used ReactiveCocoa and Core Data with Objective-C and MVVM design pattern

### iOS Developer

(May, 2014 - Aug, 2014)

Avoca Technologies Inc, Richmond Hill, ON

- Developed new features and enhanced existing features in the “myplayXplay” video tagging app
- Acquired experience in various APIs such as AVFoundation, Core Graphics, and Google Drive
- Written UIAutomation testing scripts with Javascript

### Technical QA Analyst

(Sep, 2013 - Dec, 2013)

Vitalhub Corp- Patient Care Evolved, Toronto, ON

- Gained practical knowledge in iOS development by implementing new iOS app features
- Written Agile stories for the new iOS app features using JIRA bug tracking software
- Written XC Unit Tests and Frank-Cucumber automated testing scripts on iOS

### Mechanical Research Assistant

(Jan, 2013 - Apr, 2013)

Real-time Embedded Systems Lab, University of Waterloo, ON

- Designed and built a RC car conveyor system with adjustable speed and direction
- Acquired valuable experience in Solidworks and using machine shop equipment
- Designed and built devices for the lab including ball and beam balance and inverted pendulum

## PROJECTS

- **Fusion Smartstrap** (April, 2015 – present)
  - A watch strap that adds wireless charging capability to the Pebble Time smartwatch and extends the battery life from 7 days to more than 40 days
  - Created Solidworks models of the back casing and strap with battery compartments. Details can be found on Github or the website listed below
- **Personal Website** (May 16-18, 2015)
  - Website created with HTML, CSS, Bootstrap, and AngularJS
  - Currently available at <http://sitefeng.github.io>
- **MetroArm – Robotic Arm** (Feb, 2015)
  - Designed and built a 6 DOF servo actuated robotic arm controlled by an Arduino
  - Records hand motion through Leap Motion and translates to the robotic arm
  - Grand-prize winner of TreeHacks hackathon at Stanford University
- **Uniq – College Info Reimagined** (Nov, 2013 – Nov, 2014)
  - Co-founded Uniq, a college information assistant for high school students on mobile devices with integration to custom backend
  - Uniq dramatically reduces the time spent on college research by condensing program information from various colleges into one unified app, so that the data is personalized and easy to access
  - Responsible for iOS development and business planning
  - Available on Bitbucket
- **Hack the North - iPhone App** (July, 2014 - Sep, 2014)
  - Allows hackers to quickly find the information they need during Hack the North 2014 hackathon at University of Waterloo
  - Currently working on Hack the North 2015 version with Swift
  - Available on the App Store: <https://itunes.apple.com/us/app/hack-the-north/id917531622?ls=1&mt=8>
- **Space 7 - iPhone Game** (Oct, 2013 - Nov, 2013)
  - An open source Cocos2D iOS space shooter game
  - Available on the App Store: <https://itunes.apple.com/US/app/id733590789?mt=8>

## EDUCATION

**Candidate for Bachelor of Applied Science,** (Sep, 2012 - Present)  
**Mechatronics Engineering, University of Waterloo**

- Relevant Courses: Algorithms and Data Structures, C/C++ Programming, Digital Logic, Real Time Systems, Linear Signals, Sensors and Instrumentation, Actuators and Power Electronics, Microprocessor Systems and Interfacing
- Current Academic Term: 3A