

SI TE FENG

39 Mentor Blvd,
Toronto, ON
M2H 2M9

3A Mechatronics Engineering

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<https://github.com/sitefeng>
<http://sitefeng.com>

SUMMARY OF QUALIFICATIONS

- **Languages:**
 - Proficient in Objective-C, C, C++, HTML, CSS, MySQL
 - Experienced with Swift, Matlab, Javascript, Java, Shell, JSON, XML
- **Tools/ Frameworks:** iOS SDK, Cocos2D, UIAutomation, XC Testing, Cucumber, JQuery, 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
- Experienced in using ReactiveCocoa and Core Data

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 other devices for the laboratory including ball and beam balance, inverted pendulum, custom computer case, hexacopter holder, and thrust stand

PROJECTS

- **MetroArm – Robotic Arm** (Feb, 2015)
 - Designed and built a 6 DOF servo actuated robotic arm controlled by Leap Motion through Arduino. Integrated with Leap Motion with the help of a teammate.
 - Grand-prize winner of TreeHacks 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, team management, and business planning
 - Available on Bitbucket and soon on the App Store
- **Hack the North - iPhone App** (July, 2014 - Sep, 2014)
 - Allows hackers to quickly find the information they need during Hack the North 2014 at University of Waterloo.
 - 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 game
 - Available on the App Store: <https://itunes.apple.com/US/app/id733590789?mt=8>
- **Personal Website** (Dec, 2013 – Jan, 2014)
 - Currently developing the site using HTML and CSS
 - Currently available on github
- **iMarks - iPhone App** (Mar, 2013 - Apr, 2013)
 - An iOS app that keeps track of student's scores and calculates the mark needed on the next evaluation along with other functionalities
 - <https://github.com/sitefeng/iMarks>

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
- Current Academic Term: 3A