

Si Te Feng

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SKILLS SUMMARY

Languages: Python, C, Matlab, Swift, C++, Objective-C, C#, JavaScript

Technologies: Native iOS, ROS, Git, Vim, Unity

Environments: Matlab & Simulink, Xcode, PyCharm, Linux

WORK EXPERIENCE

Paperless Post, Software Engineering Intern, New York, NY **May - Aug 2016**

- Developed new features and enhanced existing features for the Paperless Post iPhone app
- Worked on a simplistic neural network model for product recommendation using TensorFlow Python API

Clearpath Robotics, Mobile Robotics Application Engineering Intern, Kitchener, ON **Sep - Dec 2015**

- Developed robotics vision software in Python and C++ using ROS platform
- Written scripts for predicting operational parameters for the OTTO autonomous transport vehicle

Pebble, iOS Developer, Palo Alto, CA **Jan - Apr 2015**

- Used Objective-C with MVC and MVVM design patterns to develop new features for the Pebble Time iPhone app. Features include onboarding, My Pebble locker, and calendar event synchronization

Avoca Technologies, iOS Developer, Richmond Hill, ON **May - Aug 2014**

- Acquired experience in various APIs such as AVFoundation, Core Graphics, and Google Drive

Vitalhub, Technical QA Analyst, Toronto, ON **Sep - Dec 2013**

- Implemented XCTest tests, UIAutomation tests, and new app features on the iOS app

PROJECTS

Hack the North, University of Waterloo **Jul 2014 - Sep 2015**

- Organizer for Canada's largest hackathon at University of Waterloo
- Helped to enable hackers to receive real-time event updates, schedule, and prize list on their iOS and Android devices. "Uber for Mentor" feature allows hackers to request help from experts on demand.

HappenVR, visit us at HappenVR.com | UW Mechatronics Engineering Capstone **Sep 2016 - present**

- Software lead for designing and building a virtual reality haptics feedback glove for medical therapy
- Created a 3D user interface that integrates with Oculus, Leap Motion, and the glove prototype

MetroArm, TreeHacks, Stanford University **Feb 2015**

- Designed and built a 6 DOF servo robotic arm controlled by Leap Motion and Arduino
- Grand prize winner of TreeHacks 2015

Relay, MHacks, University of Michigan **Sep 2015**

- An iPhone app & Chrome extension, wireless auto-login for websites on laptop through TouchID on iPhone
- Grand prize winner of MHacks 2015

Uniq – College Info Reimagined, Available now on the App Store **Nov 2013 - Nov 2014**

- Helped students to conduct college research by condensing program information into one unified app

EDUCATION

University of Waterloo, BAsC, Mechatronics Engineering, Waterloo, ON **Sep 2012 - Apr 2017**

- **Relevant Courses:** Algorithms, Image Processing, Digital Control, Microprocessors, Computer Networks