Si Te Feng

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SKILLS SUMMARY

Languages: Python, C++, Swift, Objective-C, JavaScript, C, Matlab, Ruby
Technologies: Native iOS, ROS, Git, Vim, Ruby on Rails, Arduino
Tools: Sublime Text, Xcode, Matlab & Simulink, 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 robot costs and operational parameters

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 XCUnit tests, UIAutomation tests, and new app features on the iOS app

PROJECTS

Hack the North, University of Waterloo   Jul 2014 - Sep 2015
- Founding organizer for the largest hackathon in Canada
- Helped to enable hackers to receive real-time event updates, schedule, and prize list on their mobile phones. "Uber for Mentor" feature allows hackers to request help from experts on demand.

Blueprint, University of Waterloo & UC Berkeley   Sep 2016 - present
- VP projects for the student software team that helps to build tools for non-profit organizations
- Current working on a Ruby on Rails web app for The Somo Project

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

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 a personalized app

Space 7, Available now on the App Store   Sep - Dec 2013
- Designed, built, and released the Cocos2D iPhone space shooter game

EDUCATION

University of Waterloo, BASc, Mechatronics Engineering, Waterloo, ON   Sep 2012 - Apr 2017
- **Relevant Courses:** Algorithms, Data Structures, Microprocessors, Numerical Methods, Digital Control