

Si Te Feng

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SKILLS SUMMARY

Languages: Swift, Objective-C, C, C++, Python, JavaScript, Ruby

Technologies: Native iOS, React Native, Git, NodeJS, Ruby on Rails

WORK EXPERIENCE

Apple – Software Engineer, San Francisco, CA **Nov 2018 – present**

- Implemented new features and made bug fixes in the iOS/macOS Calendar apps, along with their associated daemons and frameworks such as EventKit
- Created internal tools for better problem discovery

Aura Health – Mobile Software Engineer, San Francisco, CA **Jan 2018 – Aug 2018**

- Led the development of the Aura mobile apps and tripled user conversion rate in 6 months by implementing more than 60 A/B experiments. Helped to design and revamp the main user flow.
- Created client apps in React Native and backend APIs in Node.js to support client functionalities.

Paperless Post – Software Engineer - iOS, 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 Engineer, 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 – Software Engineer - iOS, Palo Alto, CA **Jan – Apr 2015**

- Used 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

PROJECTS

HappenVR, HappenVR.com | Mechatronics Engineering Capstone **Sep 2016 – May 2017**

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

AskDonna.org – Get the personal advice you need, anonymously **Jun 2017 – Dec 2017**

- Created a platform that allows anonymous users to ask questions anonymously and privately
- Designed and built the website using Ruby on Rails, React.js, deployed on AWS EB

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

- Helped to organize Canada's largest hackathon at University of Waterloo
- Led a team of iOS developers to build and launch the Hack the North iPhone app from scratch.
- App enabled hackers to request for mentors on demand and receive real-time event updates.

Autonomous Turtlebot, University of Waterloo **Jan 2017 – Apr 2017**

- Used Microsoft Kinect, GPS signal, and odometry to localize and map the environment with SLAM on ROS.
- Applied path generation and A* search algorithms to navigate robot to destination while avoiding obstacles
- Used sensor fusion and PID control to process noisy input data and smoothly control robot's actions

EDUCATION

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

- **Relevant Courses:** Algorithms & Data structures, Image Processing, Digital Control, Microprocessors, Computer Networks, Operating Systems