Andy Tung
Passionate Software Engineer

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WORK EXPERIENCE

Software Engineer Intern (Infrastructure)   Jun 2017 - Present
Uber Technologies Inc   San Francisco, CA
- Developed life cycle management software for data centers on the Uber metal team.
- Created a tool for viewing link utilization from data centers.

Software Engineer Intern (Backend)   Jan 2017 - Apr 2017
Microsoft Corporation   Vancouver, BC
- Partnered with Bing and Microsoft Teams to create an intelligent bot for the Microsoft Teams platform using C#, .NET, internal APIs, and Azure.
- Engaged in the creation of a software project from start to finish including discovery, requirements elicitation, estimation, testing, developing, security, and compliance.
- Incorporated lean startup in agile development to facilitate fast iterations and validated learning.

Software Developer Intern (Mobile)   May 2016 - Dec 2016
Dynamic Leap Technologies Inc   Vancouver, BC
- Developed enterprise iOS, tvOS, and Android applications for clients in the health, financial, and film industries using Objective-C, Swift and Java.
- Pushed code for features and bug fixes in 6 different repositories that were deployed to either Google's play store or Apple's app store.

PERSONAL PROJECTS

Countdown Timer
- Explored Kotlin and reactive extensions to develop an Android application that counts down until the start time of a selected event in the calendar.

Food Friend Finder
- Developed a progressive web application in Ember.js for users to find other people for dinner using Google Places API, Google Maps API, Facebook Graph API, and EmberFire.
- Integrated Facebook authentication, form with automatic completion, real time chat for events, and service workers for offline-first experience.

Open Farm
- Prototyped a farm to table solution consisting a web application, iOS application, and backend server for local farmers to deliver their produce to household doorsteps.
- Integrated Telus, City of Vancouver, and Ericsson APIs and connected Arduinos for location, temperature, and humidity to a NodeJS backend server using the IBM Bluemix platform.
- Placed 2nd in the event sponsored by TM Forum, IBM, Telus, Sierra Wireless, and Ericsson.

TECHNICAL SKILLS

Tools
Git, Unix Command Line

Mobile Development
Android development, iOS development

Web Development
Angular 2, HTML, CSS

Backend Development
MongoDB, Firebase, Node.js, Express.js

Programming Languages
Java, Javascript, Swift, C

ARTICLES

The Future of Chatbots
What I learned about chatbots while working at Microsoft.

COMMUNITY

MSFTHacks 2017
Volunteered as a mentor to help hackers get started with Azure, Microsoft Bot Frameowork, and Microsoft Cognitive Services.

Other Hackathons
NWHacks 2016, TM Forum OpenHacks 2016, Vancouver Start Week Hackathon 2016, CalHacks 2016, NWHacks 2017

EDUCATION

University of British Columbia
Expected May 2018
Bachelor of Applied Science - Computer Engineering

Related Courses: Operating Systems, Computer Communications, Algorithm Design and Analysis