

# Andy Tung

Passionate Software Engineer

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## WORK EXPERIENCE

### Uber Technologies Inc

#### Software Engineer Intern (Infrastructure)

Jun 2017 - August 2017

San Francisco, CA

- Developed a framework for adding automated validation tests and remediation tests for hardware failures in the data center helping reduce manual work required to detect and fix common hardware problems.
- Created a tool for viewing link utilization and errors in aggregated graphs for network engineers to visualize bits per second usage within the data centers.

### Microsoft Corporation

#### Software Engineer Intern (Backend)

Jan 2017 - Apr 2017

Vancouver, BC

- Partnered with Microsoft Teams and Bing Research and AI to create an intelligent bot for the Microsoft Teams platform using C#, .NET, internal tools for natural language understanding, and Azure.
- Engaged in the creation of a software project from start to finish including discovery, requirements elicitation, estimation, testing, developing, security, and compliance.
- Owned the project by leading meetings with sponsor teams, presenting progress at sprint meetings, and conducting over 50+ user tests with Microsoft employees.
- Incorporated lean startup in agile development to facilitate fast iterations and validated learning.

### Dynamic Leap Technologies Inc

#### Software Developer Intern (Mobile)

May 2016 - Dec 2016

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.

### Open Farm

- Prototyped a farm to table solution consisting of a web application, iOS application, and backend server for local farmers to deliver their produce to household doorsteps.
- Placed 2nd in the event sponsored by TM Forum, IBM, Telus, Sierra Wireless, and Ericsson.

## EDUCATION

### University of British Columbia

Expected May 2018

Bachelor of Applied Science -  
Computer Engineering

## TECHNICAL SKILLS

### Mobile Development

Android, iOS

### Web Development

React, HTML, CSS

### Backend Development

MongoDB, MySQL, Node.js,  
Express.js

### Programming Languages

Java, Javascript, Swift, C

## ARTICLES

### 6 Stages of a College Programmer

My experience pursuing a computer engineering degree.

### 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 Framework, and Microsoft Cognitive Services.

### Other Hackathons

NWHacks 2016, TM Forum  
OpenHacks 2016, Vancouver  
Startup Week Hackathon 2016,  
CalHacks 2016, NWHacks 2017