

# Ivon Liu

#35-3850 Dominion St. Burnaby, BC V5G 1C2

Home: (604) 298-5796 Cell: (778) 882-5796

ivonliu.com • me@ivonliu.com

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## Education

### Stanford Pre-Collegiate Summer Institutes

Stanford University, California — July 2015

- Completed Artificial Intelligence program
- Familiar with search and machine learning algorithms

### Massive Open Online Courses

Coursera, Various Universities — June-October 2014

- Completed 3 course specialization in Mobile Cloud Computing With Android (offered by University of Maryland and Vanderbilt University)

### Moscrop Secondary School

Burnaby, BC — Currently enrolled in Grade 12

#### Completed Courses

- AP Chemistry
- AP Physics C: Mechanics
- AP Calculus BC
- AP Computer Science

#### Current Courses

- AP Biology
- AP Literature
- AP Statistics
- AP Psychology
- AP Macroeconomics

## Skills

### Programming

- Proficient in Java and Android app development
- Other Languages: JavaScript, Swift, Python, R, Perl, C, Bash
- Development Software: Android Studio, Eclipse, Git, Xcode
- Experience with Parse, Spring, Retrofit, CocoaPods
- Extensive knowledge of mobile development lifecycle and design models

### Second Languages

- Fluent in Mandarin Chinese

## Experience

### **Independent Android Development**

**Burnaby — September 2011-Present**

- Published 6 apps on Google Play Store
  - Total 40000+ downloads
  - Average rating 4/5 stars
- Pedometer
  - Low-powered pedometer app using the hardware step counter API introduced in Android 4.4 Kitkat
- Flashlight
  - Efficient and user-friendly flashlight promoting ease-of-use

### **Intern to Principal Engineer, D-Wave Systems**

**Burnaby — August 2015**

- Increased accuracy, efficiency and functionality of automated cryogenics testing robot
- Demonstrated ability to quickly learn and utilize unfamiliar programming languages

### **Founding Member, JimPath**

**Burnaby — October 2014-Present**

- Contributed to formulation of business model
- Developed up to 40% of user-facing application
- Ensured conformity to modern design guidelines (Material Design)

### **Founder, Moscrop App Committee**

**Moscrop Secondary — March 2014-Present**

- Created Moscrop Secondary's official app
- Connected school community by providing real-time club news, daily newsletters, events, and a detailed staff directory
- Delegated tasks to team members specializing in specific areas
- Supervised development in all areas

### **Teacher Assistant, Math Potentials, PIMS**

**SFU — December 2013-Present**

- Enhanced students' understanding of challenging new concepts
- Provided one-on-one help with students for difficult problems
- Proactively recognized students' needs to provide corresponding support