

# ANDREW NGUYEN

// software developer

## Experience

### Software Engineer Intern

Wish

May - Aug 2018

San Francisco, CA

- Redesigned login flow on merchant dashboard in **Python** and **Backbone.js**, increasing successful logins by **5%** and successful password resets by **7%**
- Improved onboarding process by showing first steps new merchants should take, with a reach of nearly 1000 impressions daily

### Software Engineer Intern

Shoplogix Inc.

Sep - Dec 2017

Oakville, ON

- Led development of a Chrome OS application with **JavaScript** and **jQuery**, downloaded over 100 times by clients on the Chrome Web Store
- Designed several new **C#** API endpoints to serve requested data to web application
- Diagnosed multiple backend issues with **C#** server socket, leading to a 30% increase in successful client socket connections

### Junior Researcher

Government of Canada

Jan - Apr 2017

Ottawa, ON

- Developed data analysis utilities for Wi-Fi sniffers and visualized Wi-Fi signal strengths using **R**
- Optimized data processing software in **Visual Basic** which resulted in 15% faster processing of sensor log files
- Performed hardware testing to ensure compatibility with software components

## Projects

### clipBuddy

Hack the North

Sep 2017

- Background phone application that allows users to access utilities from their clipboard, built in **Android Studio** using **Java**
- Winner of XE.com API prize by successfully implementing currency conversion capabilities

### SignBuddy

CUHacking I

Mar 2017

- Interactive sign language recognizer using a Leap Motion controller
- Used **Python** **scikit-learn** library and hand-generated training data to classify signs, incorporated into a web video client

### Therapy Helper

DeltaHacks III

Jan 2017

- Web application composed of a **MongoDB** and **Node.js** backbone with frontend done in **Vue.js**
- Lets therapists provide custom self-assessments to patients, and view all patient data in one place
- Allows patients to complete their homework more discreetly online

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## Skills

**Languages:** Java, Python, C#, C++, R, HTML5/CSS3, JavaScript, Visual Basic, VHDL

**Technologies:** Android Studio, Git/Subversion, Firebase, Arduino, Visual Studio, jQuery, Jira

## Education

### University of Waterloo

Computer Engineering

2016 - Present

cGPA: 3.88/4.0 - Average: 89.7%

## Awards

- 2018 President's International Experience Award
- 2017 US Computing Olympiad Gold Division
- 2016 Nortel Networks Undergraduate Scholarship
- 2016 University of Waterloo President's Scholarship of Distinction
- 2016 Top 5% on AMC12 (AIME Qualifier)
- 2016 2nd place nationally at ARML

## Interests

- Athletics - bouldering, ice hockey, volleyball
  - Music - guitar, saxophone, piano
  - Languages - French, Spanish, Vietnamese
  - Cooking, baking
- ( @ @munchmunchmkv )