

# andrewnguyen

1.647.918.4240 // [andrew.nguyen@uwaterloo.ca](mailto:andrew.nguyen@uwaterloo.ca)

 aanguyen //  aanguyen

## EXPERIENCE

Bloomberg LP

New York City, New York

Software Engineering Intern

Sep – Dec 2020

- Led design and implementation of data ingestor in ETL pipeline that detects changes in records using Python and Cassandra
- Saved 70% of downstream traffic by not sending duplicate records into the downstream pipeline, equivalent to 700k Solr hits daily

Asana

San Francisco, California

Software Engineering Intern

Jan – Apr 2020

- Reduced build times by 17% by using Bazel to only run test of changed targets and their reverse dependencies
- Led design of an internally hosted store for Python dependencies, reducing developer pain over flakiness of package installs
- Partook in infrastructure on-call rotation, triaging 12+ production alerts using tools including Datadog and CloudWatch

Postmates

San Francisco, California

Software Engineering Intern

Jan – Apr 2019

- Led development of translations pipeline in Python to automate string localization, saving copywriters 60 hours / year
- Designed a robust framework to run tests on stage deploys, eliminating the need for manual testing of P0 / P1 scenarios
- Reduced ticket handle time by 15% by building a native platform for Zendesk articles in Python allowing users to submit tickets with account and job info

Wish

San Francisco, California

Software Engineering Intern

May – Aug 2018

- Enhanced login flow on merchant dashboard in Python, increasing successful logins by 5% and successful password resets by 7%
- Revamped returns program UI in Backbone.js, increasing merchant enrollment by 14%
- Prevented bad actors from \$3m in malicious price increases every month

## PROJECTS

 vm++

Dec 2018

Personal Project

C++

- Clone of vim text editor written in C++ using MVC architecture allowing users to open, edit, and save text files
- Implemented unbounded undos, multiple commands, and smart syntax highlighting for C++ files

 clipBuddy

Sep 2017

Hack the North

Android Studio

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

## SKILLS

### Languages

Java // Python // C++ // R  
HTML // CSS // JavaScript // SQL  
Visual Basic // Bash // VHDL

### Technologies

Android Studio // AWS  
Subversion // Firebase  
Arduino // Git // Jira

## AWARDS

- President's International Experience Award // 2019
- US Computing Olympiad Gold Division // 2017
- Nortel Networks Undergraduate Scholarship // 2016
- University of Waterloo President's Scholarship of Distinction // 2016
- Top 5% on AMC12 // 2016

## EDUCATION

### University of Waterloo

Bachelor of Computer Science  
2016 – 2021 // Waterloo, Canada

- 88% Cumulative Average
- Dean's Honours List

## INTERESTS

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