

andrewnguyen

1.647.918.4240 // andrew.nguyen@uwaterloo.ca

 aanguyen //  aanguyen

EXPERIENCE

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

Shoplogix Inc

Oakville, Ontario

Software Engineering Intern

Sep – Dec 2017

- 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

PROJECTS

 ProAvalon

Ongoing

Personal Project

Nest.js, React, MongoDB

- Working on a team of 4 to build ProAvalon.com, an online platform to play Avalon: The Resistance (board game) with over 200 daily games played by over 100 daily active users
- Currently building APIs for the forums and Game Room using Nest.js and MongoDB

 signBuddy

Mar 2017

CUHacking

Python, Scikit-learn

- 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

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 Honour List (4 Terms)

INTERESTS

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