andrewnguyen

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EXPERIENCE

Asana   San Francisco, California
Software Engineering Intern   *Jan – Apr 2020*

- Used Bazel to only run tests of changed targets and their reverse dependencies, reducing build times by 17%
- Led design of an internally hosted store for Python dependencies, reducing developer pain over flakiness of package installs

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
- Built a native platform for Zendesk articles in Python allowing users to submit tickets with account and job info, reducing ticket handle time by 15%

Wish   San Francisco, California
Software Engineering Intern   *May – Aug 2018*

- Enhanced login flow on merchand 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

 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

 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)