ANDREW NGUYEN

software developer

Experience

Wish
Software Engineer Intern
May - Aug 2018
San Francisco, CA

▸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.
Sofware Engineer Intern
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

Government of Canada
Junior Researcher
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

Projects

clipBuddy ○
Hack the North
Sep 2017

▸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 ○
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, SQL, Visual Basic, VHDL

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

Education

University of Waterloo
Computer Science
2016 - 2021 (Expected)
cGPA: 3.88/4.0 - Average: 89.7%
Dean's Honour List

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

Interests

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