

Kristen Kwong

kristen.dev
kristenkwong@gmail.com

Work Experience

Apple - Incoming Software Engineering Intern
Siri Client Team May - Aug 2019

Apple - Software Engineering Intern
Power & Performance Team Apr - Aug 2018

- Designed and developed web application to fetch and visualize test results and metrics using **AngularJS**
- Built RESTful API using **Flask**, with back-end data processing and analysis of data gathered from MongoDB, APIs, and other sources
- Developed automation framework with **Python** to run user experience scenarios on iOS devices with Objective-C bridge class
- Merged framework into a pipeline for automatic trigger upon build releases, improving efficiency of the End-User team through automated bug filing, summarized email reports, and screen captures for review and demo

University of British Columbia - Teaching Assistant
Intro to CS & Relational Databases Sept 2016 - present

- Current TA for upper level course on relational databases, teaching ER models, relational schema, database design principles, and SQL
- Develop curriculum and create marking rubrics for term project
- Lead weekly labs and tutorials, presenting lectures on core topics

Netgear - Software Test Engineer Sept 2016 - present

- Proposed and developed automation testing framework in **Python**
- Performed data analysis on gathered metrics to generate reports
- Extended automation with hardware tools built with **Arduino**

Projects

Y86 Disassembler Jan 2019

- Program written in **C** that reads an executable binary and interprets data as **Y86-64 Assembly** instructions

FTP Client Jan 2019

- Subset of **FTP** commands implemented in **Java** sockets, with text based interface, according to **RFC 959** specifications

insightUBC Sept - Nov 2018

- Full stack web app to perform queries for UBC room and course data
- Built backend query engine with aggregation to efficiently retrieve information from imported datasets in **TypeScript**
- Integrated methods to import and manipulate datasets as **ZIP** files and designed corresponding **REST** endpoints

Education

University of British Columbia
B.Sc., Major in Computer Science
GPA: 3.81/4.00
Expected graduation: May 2020

Skills

Languages	Technologies	
Python	HTML	Jekyll
C / C++	AngularJS	Flask
Javascript	Node.js	CSS & Sass
Java	SQL	MongoDB
Golang	Git	

Involvement

UBC CTF Team
Feb 2019 - present

- Compete in Capture the Flag cybersecurity competitions
- 2nd place by points in college division for **MITRE STEM CTF**

Technovation Challenge
Team Mentor
Jan 2019 - present

- Assist and guide team of 11-13 year old girls pitching and building a mobile app

nwHacks 2019; nwPlus 2018-19
Co-Director of Local Hack Day
March 2018 - present

- Organized **UBC Local Hack Day 2018**, the largest Local Hack Day in North America, with over 350 attendees
- Planned, scheduled, and manage logistical details for food, venues, sponsorship, mentors, and workshops

UBC Hacks
Co-Founder
Oct 2016 - March 2018

- Organized **UBC Hacks 2016 & 2017**
- 12-hour hackathons had 200+ students, 20+ sponsors, and 35+ projects
- Designed and produced all marketing materials and branding