

# KRISTEN KWONG

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## WORK EXPERIENCE

Apple Inc., Cupertino, California Starting May 2018  
**Incoming Software Engineering Intern - Siri Client**

Apple Inc., Cupertino, California Apr 2018 - Aug 2018  
**Software Engineering Intern - Power & Performance**

- 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 using a Python Objective-C bridge custom 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, Vancouver, Canada Sept 2016 - present  
**Computer Science Teaching Assistant**

- Prepare and lead weekly lab activities and mini lectures on condensed topics of the introductory course on Computation, Programs, and Programming
- Effectively simplified and communicated computer science concepts to students with little to no technical background

Netgear, Richmond, Canada Jan 2017 - Aug 2017  
**Software Test Engineer Co-op**

- Proposed and developed an object-oriented automation testing framework for an upcoming project using **Python** for Linux and Windows operating systems, including modules for AWS Cloud services and hardware components
- Utilized Python's **Pandas** library to perform data analysis on gathered metrics and results to build detailed reports and presentations
- Built hardware testing tools using **Arduino**, providing a maintainable and reusable test environment structure for future test procedures

## PROJECTS

**insightUBC** Sept 2018 - Nov 2018

- Full stack web application to perform queries and view data for courses and rooms within UBC, including course averages, instructors, room sizes, and pass/fail rates
- 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
- Built tests using the **Mocha Test Environment** with **Chai Expectations**

**frienDB: Simple Social Media Networking** Feb 2018 - Apr 2018

- Web application simulating a social media network service
- Designed and implemented database schema for storing user, post, tag, and comment information with **Node.js**
- Developed a frontend user interface using **Pug/Jade** templating
- Deployed application to Heroku with native PostgreSQL database

## EDUCATION

University of British Columbia  
**B.Sc., Major in Computer Science**

GPA: 3.81 / 4.00

Expected graduation: Apr 2020

## SKILLS

### Languages

Python

JavaScript

Java

C / C++

Swift

### Technologies

HTML CSS

AngularJS Flask

Node.js MongoDB

SQL Pandas

Git Pug/Jade

## INVOLVEMENT

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

March 2017 - present

- Organized UBC Local Hack Day 2018, the **largest** Local Hack Day in North America, with over 350 attendees
- Planned, scheduled, and managed logistical details for food, venues, sponsorship, mentors, workshops for large-scale event
- Attend weekly meetings to discuss and present team updates and todos

### UBC Hacks

**Co-Founder, Organizer**

October 2016 - March 2017

- Organized UBC Hacks 2016 & 2017
- 12-hour hackathons had turnouts of 200+ students, 20+ sponsors, and 35+ submitted projects
- Designed and produced all marketing materials for print and social media

## HOBBIES

Graphic Design

Illustration

UI/UX

Piano

Longboarding

Video Games

Photography

Hiking