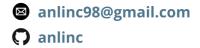
# ANLIN CHEN anlinc98@gmail.com



## **EDUCATION**

#### **University of British Columbia**

B.Sc. Major in Computer Science

GPA: 85%

Expected Graduation: May 2021

## **SKILLS**

Languages	Technologies	
Python	Git	Linux
C / C++	Figma	pandas
Java	HTML	scikit-learr
JavaScript	CSS	
	SQL	

## **EXTRACURRICULAR**

#### cmd-f Logistics Director

September 2018 - Present

- Helped found British Columbia's first all-female hackathon, cmd-f, which had more than 150 participants in its first year
- Organized mentorship and networking events to empower young women interested in entering Vancouver's tech community
- Raised over \$10,000 in 2019 through sponsorships despite cmd-f being in its first iteration

## **RELEVANT COURSES**

Data Structures and Algorithms, Object-Oriented Programming, Computer Hardware and Operating Systems, Relational Databases, Applied Machine Learning, Artificial Intelligence, Compiler Design

## **EXPERIENCE**

#### Intel - Firmware Engineer Intern

January 2019 - August 2019

- Developed namespace related firmware features using C for Intel's latest **NVMe SSDs**
- Wrote multi-processed Python scripts deployed to CI testing to measure drive IOPS under various workloads
- Created Bitbucket plugin to automatically generate pull request template and pull request email from user and team structure JSON configuration, reducing organization-wide pull request creation process time by 75%

### AppNeta - Software Developer Intern

September 2018 - December 2018

- Developed IPv6 address persistence feature to ensure physical network monitoring devices maintain the same IPv6 addresses across reboots
- Created feature to migrate IPSec configuration settings across a device OS upgrade from Debian Jessie to Debian Stretch using C++ and Bash
- Handled external customer request to perform a mass rename of all their IPSec interfaces without disturbing or clearing network performance data

## **PROJECTS**

#### **Mini-C Compiler**

September 2019 - November 2019

- Compiler written in Java that compiles a subset of C code into MIPS assembly
- Parser utilizes recursive descent parsing
- Uses the visitor design pattern to implement double dispatch

#### Flow

May 2019

- Created for "Hacking for Humanity", winner by popular vote
- Used Arduino and water flow sensor to create a device to measure water usage from a tap
- Web application developed with Nuxt.js and Vue.js for users to track and analyze water usage, as well as have friendly competitions among friends to encourage lower water usage

#### ResGen

June 2018

- Job board website developed in HTML, CSS, TypeScript, and SQL to allow employers to easily query applicants with relevant skills to any given job
- Database design normalized to 3NF to avoid redundancy