ANLIN CHEN

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anlinc

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-learn
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 scripts
• 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 posting
• Database design normalized to 3NF to avoid redundancy