

Cindy Cheung

3A Honours Computer Science



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Languages

C++ | C | Python | Java | JavaScript | SQL | YAML | VBA | HTML/CSS | Bash

Frameworks

Selenium | Telegraf | InfluxDB | Spring | React | Redux | MySQL | Bootstrap | React Native | NodeJS

Tools

Github/Git | Splunk | Grafana | Ansible | Docker | Vim

Experience

Sun Life Financial

DevOps Automation Engineer, Enterprise DevOps

Sept 2020 – Present

Python, Selenium, SQL

- > Constructing reusable UI frontend testing framework within CICD pipeline using Python and Selenium to support automated testing
- > Developing proof of concept for creating ServiceNow data collector integrated with Grafana using Telegraf and InfluxDB
- > Migration of existing data collectors from Docker to Kubernetes environment

Sun Life Financial

Software Architect, Enterprise Infrastructure

May 2020 – Aug 2020

Python, SQL, Splunk

- > Developed reusable Ansible playbooks using YAML to automate server operations such as health checks, start/stop, and disaster recovery
- > Converted Perl script to Python to parse database information from the Configuration Management Database in ServiceNow
- > Used SQL queries to create dashboards in Splunk to show the number of manual playbook executions across multiple teams
- > Automated excel sheet to get information from Continuous Delivery Director (CDD) releases using VBA and CDD's Rest APIs

Global Entrepreneurship Disruptive Innovation

Implementation Strategist

May 2019 – Aug 2019

HTML, CSS, Bootstrap

- > Designed and built a website using HTML, CSS, and Bootstrap with a focus on user-friendly design
- > Integrated Google Analytics to monitor website traffic and analyze audience insight data
- > Developed Excel Macros in VBA to increase efficiency of Salesforce data processing

Projects

C Compiler

C++, Object Oriented Programming

- > Built parser, type checker and implemented code generation in C++ for a subset of the C language
- > Implemented constant propagation and dead code elimination optimizations to improve efficiency of machine code

SubletSpot

Java, React, Redux

- > Developed a web application targeted at students to ease the process of looking for sublets
- > Constructed a REST API to interact with MySQL database using Spring Boot and Hibernate
- > Implemented the front-end using React and Redux for users to easily query, post and filter sublets

Other Projects

- > Personal Website | Pocket Helper | LeetCode | Guess Me

Education

University of Waterloo

Bachelor of Computer Science

2018-2023

- > President's Scholarship of Distinction recipient with entrance average of 97%