

Undergraduate Software Engineering completing the final year of a bachelor's degree. Professional experience programming in industry and for the federal government. Natural intuition for new technologies, proactive team skills, passion for learning.

Skills and Qualifications

Programming Languages: Python ◦ Java ◦ C++ ◦ TypeScript ◦ HTML/CSS ◦ AutoHotKey

Frameworks: React ◦ Django ◦ Flask ◦ Blazor ◦ Avalonia

Operating Systems: Linux (RedHat, Fedora, Ubuntu, Arch, Debian) ◦ Windows

Applications: VSCode ◦ Eclipse ◦ Microsoft Office ◦ Visual Studio ◦ Octoparse

Other Software Skills: Docker ◦ Kubernetes ◦ GitLab CI/CD ◦ GitHub ◦ RESTful API ◦ Atlassian Suite

Languages: Spoken & Written: English & French ◦ Basic Knowledge: Italian & Spanish

Employment

Summer 2022 **Data Science Intern**, *Shared Services Canada*, Montreal, QC Canada, Third Co-op Entry

+ Fall 2022

(extended)

Kubernetes

- Deployed experimental Kubernetes Clusters to leverage KubeFlow, Onyxia, and KubeVirt.
- Leveraged Terraform to automate deployment process
- Produced documentation for reproducibility and ease-of-access

DataHub Portal

- Made contributions to the DataHub Portal written with .NET Blazor.
- Previously had no experience using C# or developing .NET applications.
- Lead initiative to establish internal feature mapping to investigate tools that could be leveraged as solutions.

Summer 2021 **Cyber Security Intern**, *Royal Canadian Mounted Police – Div C*, Montreal, QC Canada, Second Co-op Entry

+ Winter 2021

(extended)

Python Project

- Project developed in Python, utilizing Docker
- Interfaced with Rest APIs + custom developed Rest API wrapper
- More information upon request

Fall 2020 **QA Software Testing Intern**, *Nuance*, Montreal, QC Canada, First Co-op Entry

Confluence-qTest Integration

- The Analytics team sought to centralize application data in Confluence pages
- Developed a Python interface for qTest REST API to retrieve test run data for all Analytics projects and utilized Confluence API to upload collected data to a central page

JFrog Xray Security Violations Automation

- Created a series of Gitlab CI/CD templates in order to upload Xray violation data as a Jira ticket as a step within the Gitlab CI/CD pipeline
- Made contributions to the Python Xray Client Project in order to simplify developer workflow

Summer 2019 **Software Intern**, *Dorel Home Products*, Montreal, QC Canada

Item Replenishment Flagger

- Developed a tool utilizing Python for the Replacement Parts Department. Previously, the department manually sorted through thousands of stock items periodically in order to decide which items needed to be restocked
- The tool provided a method to determine these items automatically, and forecasted how many units would need to be reordered; reducing labour hours from several days to a few minutes

Web Scraper

- Created an Octoparse project to scrape Dorel's posted products on Wayfair's website in order to collect product listings and customer review data
- Previously, data was provided by a third-party company and was either incomplete or inaccurate

Data Management Project

- Partial automation of keyboard inputs using AutoHotKey to allow for mass data cleansing of thousands obsolete and discontinued items
- Contributed to the development of pricing and profitability by increasing the reliability and accuracy of sale data for active items

Education

2019–2023 **Bachelor of Engineering – Computer Software Engineering Co-op**, *Concordia University*, Montreal, QC (expected) Canada

- Member of the Institute for Co-operative Education
- Relevant Courses: Capstone Software Engineering Design Project: ChessBoom, Information Systems Security, Data Communications & Computer Networks

2017–2019 **DEC in Pure and Applied Science**, *Marianopolis College*, Montreal, QC Canada

- Object Oriented Programming I & II (Python)
- Mathematics for Computer Science (Python)

Projects

2018 **Marihacks**, *Marianopolis College*, Montreal, QC Canada

- 24-hour hackathon project entitled “TL;DL” (Too Long; Didn't Listen)
- Achieved 1st place by building a speech to text summarizer application using Python and PyQt5
- The team developed a modified machine learning model that utilized external libraries to transcribe audio files or live recordings and summarize the transcription

Contributions

2016 **Humanitarian Trip**, *Loyola High School*

- Ten-day long humanitarian trip to the Dominican Republic living with local family
- Helped build homes for families in need and worked alongside the migrant workers of a sugarcane plantation

Interests and Extra-Curricular Activity

Passions

Chess, Scripting (see some my projects on Github!), Computer Hardware (Ask about my PC)

Travel

Italy, Spain, Croatia, France, Western Canada, United States, Caribbean, Mexico

Sports

Rugby Champion (2014, 2015, 2016, 2017), Soccer Champion (2016), Golf, Skiing