

Minna Feng

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SUMMARY OF SKILLS AND QUALIFICATIONS

Prog. Languages | Java • Python • C • C++ • HTML/CSS • JavaScript • R • OCaml

Tools & Others | Visual Studio Code • IntelliJ IDEA • RStudio • Figma • Confluence • JIRA

Languages | French • English • Mandarin

WORK EXPERIENCE

Software Developer Intern

Jan 2023 – Apr 2023

Autodesk, Montreal, Canada

- Working on the **ShotGrid integration** for Autodesk's new **Generative Scheduling** application in **Python**.
- Collaborating with other teammates using **Agile** practices and through daily meetings.

System Operations Intern

May 2022 – Aug 2022

Bell Canada, Montreal, Canada

- Updated software in **Python** for an agile project management tool to different teams within Bell, and worked on improving visual appearance using **HTML**, **CSS**, and **JavaScript**.
- Improved company system operations by 3% through **IT automation** initiatives including automation of sanity checks and manual tasks.
- Developed, tested, and implemented **PowerShell** scripts integrated with **Ansible** playbooks to automate **server processes**.
- Presented summarized [research](#) on **WSUS optimizations** to my team and implemented select optimizations.
- Developed solutions using **Agile** practices and a **Scrum** framework, collaborated with teammates across domains on **GitHub** and through meetings.

Programming Course Grader

Jan 2021 – Jun 2021

Marianopolis College, Westmount, Canada

- Streamlined grading process for **Python** assignments and labs from 60+ students for *Introduction to Programming* college class.
- Designed and implemented efficient tester code and sifted through student code to examine implementations.
- Collaborated closely with course instructor to identify students' difficulties and develop solutions.

EDUCATION

Bachelor of Science – Software Engineering

2021 - 2024 (Expected)

McGill University, Montreal, QC

- Relevant coursework: Algorithms and Data Structures, Software Design, Software Systems, Operating Systems, Applied Machine Learning, Statistical Computing

PROJECTS

Personal Website

- Built a responsive [portfolio website](#) using **HTML**, **CSS**, and **JavaScript**.

Transaction Verification

- Built a bank transaction tracking and verification program in **C** to filter CSV files and highlight discrepancies with **object-oriented programming**.

Snake Game

- Built a [clone of the snake game](#) in **MIPS Assembly** using **memory mapped I/O**.

KNN vs Decision Tree Classification

- Investigated the performance two machine learning models (KNN and Decision Tree) on two benchmark datasets.
- Acquired, preprocessed, and analyzed data using **NumPy**, **Pandas**, and **Scikit-learn**.
- Implemented **KNN** and **Decision Tree** classification techniques in **Python** from scratch with **object-oriented programming**.
- Evaluated performance and compared accuracy of algorithms by performing experiments and analyses.
- Presented a report summarizing concepts, findings, and methods.