

# Minna Feng

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## SUMMARY OF SKILLS AND QUALIFICATIONS

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**Prog. Languages** | Java • Python • C • HTML/CSS • JavaScript • TypeScript • SQL • R • OCaml

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

**Languages** | French • English • Mandarin

## WORK EXPERIENCE

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### System Operations Intern

May 2022 – Aug 2022

Bell Canada, Montreal, Canada

- Updated **Python** code to adapt software 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 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.

### Tech Sales Associate

July 2021 – Apr 2022

The Source, Dorval, Canada

- Built easy and personalized solutions for customers as a tech and telecommunications expert.
- Attained high sales objectives and exceeded targets by 20% actively listening and identifying needs.
- Collaborated with associates to foster effective team dynamics and achieve optimal performance by leveraging strengths.

### 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

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### Bachelor of Science – Software Engineering

2021 - 2024 (Expected)

McGill University, Montreal, QC

- Relevant coursework: Software Systems, Algorithms and Data Structures, Computer Systems, Applied Machine Learning, Programming Languages and Paradigms, Statistical Computing

## PROJECTS

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### Personal Website <https://minnafeng.github.io/portfolio-website/>

- Built a responsive portfolio website using **HTML**, **CSS**, **JavaScript**, and **React**.

### 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.