

SELINA KIM

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EDUCATION

McMaster University

B.A.Sc. Honours Computer Science (Co-op)

Sep. 2021 – May 2025

Hamilton, ON

- **Major GPA:** 3.63
- **Relevant Course Work Completed:** Databases, Automata and Computability, Concurrent Systems, Algorithms and Software Design, Software Development, Logical Reasoning, Data Structures and Algorithms, Computer Architecture

John Fraser Secondary School

Ontario Secondary School Diploma

Sep. 2017 – June 2021

Mississauga, ON

TECHNICAL SKILLS

Languages: Python, Java, C, Haskell, JavaScript, HTML/CSS, TypeScript, Bash Scripting, ARM Assembly, LaTeX

Frameworks: React, Astro, Tailwind CSS

Developer Tools: Git, SSH, Firebase, Netlify, SQL, Google Cloud Platform, Figma

PROJECTS

Personal Website | Website

Jan. 2023

Astro.js, Tailwind CSS, Typescript, Netlify, Figma, Adobe Illustrator

- Designed a prototype on Figma to envision UI/UX in advance and used Adobe Illustrator to create UI elements
- Used Astro framework for development and Firebase for hosting and deployment
- Utilized Tailwind CSS with regular CSS to simplify styling process and organize stylesheet
- Implemented responsive web design for scalability and support across various screen sizes

Python Tetris | Game

Nov. 2022

Python, Pyglet, PyInstaller

- Developed a single-player tetris game in Python with Pyglet library to design graphical interface
- Applied OOP design principles such as interface segregation by separating front-end UI code and back-end game engine code
- Engineered all front-end design, programming gameplay elements and original asset creation from scratch
- Packaged the program into an executable using PyInstaller to allow more practical distribution

HACKATHON PROJECTS

EDU Everywhere | Cross-Language Education Web Platform

Jan. 2023

Python, Flask, React.js, CSS, Figma, Google Cloud Translation AI, Google Cloud Vision AI

Hamilton, ON

- Built a full stack web prototype of high scalability using Google Cloud APIs with a team of 4 members
- Used Python and Flask for back-end and React.js for front-end UI development
- Optimized collaboration process by utilizing Git and VS Code Live Share
- Contributed in back-end development by coding translation functionality via Google Cloud Translation AI
- Assisted in front-end development by organizing general UI structure and implementing styling according to Figma prototype

Stockpile | Stock Market Simulator Application

Jan. 2022

React.js, CSS, Figma, Google Clouds

Online

- Winner of MLH Best Use of Google Cloud Award
- A mobile PWA prototype with high scalability using Google's Cloud Services

WORK EXPERIENCE

Sales Associate

July 2022 – Sep. 2022

McCarthy Uniforms

Oakville, ON

- Demonstrated effective communication with customers of various age groups ranging from young children to parents
- Provided customers with relevant product information consisting of prices, exchange policies and school uniform protocols
- Worked in collaboration with co-workers such as organizing stock, cleaning staff and storage rooms, and unboxing shipments

AWARDS AND DISTINCTIONS

Dean's Honour List | McMaster University

Apr. 2022

- Awarded to students who achieve a GPA of 3.5 or above.