

Selina Kim

SECOND YEAR COMPUTER SCIENCE STUDENT

Ontario · Canada

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Education

McMaster University

B.A.Sc. IN COMPUTER SCIENCE CO-OP

Hamilton, ON, Canada

Sep. 2021 – May 2025

- Major GPA 3.63 / 4.0, Dean's Honour List
- **Relevant Course Work:** Databases, Automata and Computability, Concurrent Systems, Algorithms and Software Design, Software Development, Logical Reasoning, Data Structures and Algorithms, Computer Architecture

Technical Skills

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

Frameworks: React, Astro, Tailwind CSS

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

Projects

Personal Website

STATIC WEBSITE TO SHOWCASE PORTFOLIO

- 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 Netlify 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
- **Skills:** Astro.js, Tailwind CSS, TypeScript, Netlify, Figma, Adobe Illustrator

Python Tetris

SINGLE-PLAYER TETRIS GAME CLONE IN PYTHON

- 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
- Implemented both human testing and automated testing by creating python scripts to optimize testing process
- Packaged the program into an executable using PyInstaller to allow more practical distribution
- **Skills:** Python, Pyglet, PyInstaller

Hackathon Projects

EDU Everywhere

CROSS-LANGUAGE EDUCATION WEB PLATFORM

- 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
- **Skills:** Python, Flask, React.js, CSS, Figma, Google Cloud Translation AI, Google Cloud Vision AI

Stockpile

STOCK TRADE SIMULATOR APPLICATION

- Winner of MLH Best Use of Google Cloud Award
- A mobile PWA prototype with high scalability using Google's Cloud Services
- **Skills:** React.js, CSS, Figma, Google Clouds

Work Experience

McCarthy Uniforms

SALES ASSOCIATE

Oakville, ON

July 2022 – Sep. 2022

- 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