

Selina Kim

3RD YEAR COMPUTER SCIENCE STUDENT

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Education

McMaster University

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

Hamilton, ON, Canada

Sep. 2021 – May 2026

- **Relevant Course Work:** Algorithms & Software Design, Data Structures and Algorithms, Operating Systems, Principles of Programming Languages, Databases, Concurrent Systems

Technical Skills

Languages: Python, JavaScript/TypeScript, Java, C, C++, HTML/CSS, Bash, SQL

Tools/Frameworks: Git, React, Node.js, Express.js, Astro, Tailwind CSS

Developer Services: GitHub, Azure DevOps, Splunk, Jira, MongoDB, Google Cloud Platform, Firebase, Netlify, Postman, Figma

Experience

CIBC Digital Contact Centre Technology – API Solutions & Development

Toronto, ON, Canada

JUNIOR APPLICATION DEVELOPER

May 2023 – Aug. 2023

- Identified, documented, and implemented bug fixes based on log analysis utilizing Splunk
- Deployed and monitored automated CI/CD pipeline jobs with Azure DevOps
- Assisted in latest launch of internal banking web application used by over 1,000 telebanking agents
- Collaborated in a team of 15 developers, product managers, and QA engineers within an Agile work environment
- Deployed code to DIT environment, conducted testing and documented results for reports sent to SIT
- **Skills:** *Java, .NET, Azure DevOps, Splunk, JFrog Artifactory, Visual Studio, Jira*

DeltaHacks Technical Executive

Hamilton, ON, Canada

<https://github.com/deltahacks/landing-10> 🔗

Jan. 2023 – Present

- Collaborated with 7 developers and communicated with design team to build a modern landing page with a perfect Google Lighthouse score
- Built timer component with client-side rendering and improved mobile responsivity
- **Skills:** *TypeScript, JavaScript, Astro, Tailwind CSS, Linear*

Projects

MERN Stack Markdown Blog App

<https://github.com/selina-kim/mern-blog-app> 🔗

Jan. 2024

- Designed MongoDB database to store and manage blog posts, user data, and comments, ensuring efficient data retrieval and storage
- Implemented secure user authentication and authorization with JSON Web Tokens and storing encrypted passwords with bcrypt
- Utilized Express.js to create RESTful API endpoints enabling users to create and manage blog posts seamlessly with CRUD operations
- Integrated third-party libraries and packages to support storing and displaying blog post content in markdown to ensure seamless UX
- **Skills:** *MongoDB, Express.js, React, Node.js, Typescript, Postman, JWT, Vite, Git*

Personal Website

<https://github.com/selina-kim/personal-website> 🔗

Jan. 2023 – Present

- Developed static website using Astro framework for development and Netlify for hosting and deployment
- Utilized Tailwind CSS to simplify styling process and implement responsive web design
- **Skills:** *Astro, TypeScript, Tailwind CSS, Netlify, Git, Figma, Adobe Illustrator*

EDU Everywhere

DeltaHacks 9

<https://github.com/selina-kim/EDUEverywhere> 🔗

Jan. 2023

- Built a full stack web prototype of a cross-language education platform using Google Cloud APIs with a team of 4 members
- Contributed in back-end development by coding translation functionality via Google Cloud Translation AI in Python
- Assisted in front-end development by designing UI structure and implementing design with React.js
- **Skills:** *Python, Flask, React, HTML/CSS, Figma, Google Cloud Translation AI, Google Cloud Vision AI, Git*

Python Tetris

<https://github.com/selina-kim/python-tetris-game> 🔗

Oct. 2022 – Jan. 2023

- Developed a single-player tetris game in Python with Pyglet library to design graphical interface
- Implemented both human 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, Git*