

Alyssa Guo

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🌐 linkedin.com/in/alyssa-guo/ | 👤 https://alyssasuiyiguo.github.io/personal-portfolio/

SKILLS

Technologies : JavaScript, TypeScript, React, Node.js, Express.js, Next.js, Python (**Pygame**), C, CSS, HTML Java

Tools : Git, Firebase, Material UI, Bootstrap, GitHub, Figma, VSCode, Eclipse, WordPress, LaTeX, Wix, Jira, Trello

EXPERIENCE

Full Stack Developer ([Project Link](#))

May 2022 – Present

Year Zero Studios

- Overhauled members page using **Flexbox** and **Material UI** to implement an interface responsive to all screen sizes
- Oversaw end-to-end development processes (including releases and QA) using **Heroku** and **CI/CD pipelines** in **GitHub Actions**
- Upgraded query functions using **Firebase** and **Node** to enable case insensitive URL navigation for user profiles
- Improved efficiency of user workflows by **10x** by implementing CRUD support for multiple events at a time using **Firebase** and **TS**

Full Stack Developer

May 2022 – Present

University of Waterloo Product Management Club

- Programmed final components for full-stack web application, enabling project launch from development phase
- Upgraded UI/UX for images container using **React**, implementing drag scrolling functionality
- Developed subtopic component for product management guide, including custom component generation for over **15 articles**

Website Developer ([Website Link](#))

Sept. 2021 – Dec. 2021

University of Waterloo Mathematics Society

- Revitalized home page in co-ordination with executive team using **Figma**, and implemented design using **HTML** and **CSS**.
- Updated and maintained vital links, files and information continuously for website used by over **14,000** Math faculty students.

Tech Team Web Developer and Conferences Lead ([Github Repo](#))

May 2020 – Present

Prospective Medical Professionals (PuMP)

- Conceptualized UI/UX for Community page using **Figma** as part of a website redesigning initiative.
- Implemented 10 blog posts using **HTML** and **Markdown** to develop website built with **Next.js** for non-profit organization reaching over **30,000 students** across Canada.
- Unified **15 officers** in hosting **5 conferences** as part of the national logistics team, reaching over **750 attendees**.

PROJECTS

Personal Portfolio ([Github Repo](#))

Dec. 2021

- Programmed from scratch using **HTML**, **CSS** and **JavaScript**.
- Formulated functions using **JavaScript DOM API** to display unique page content based on user interactions.
- Implemented mobile-friendly **responsive design** using CSS, including **Flexbox**.
- Tested and debugged using Chrome developer tools.

Running from Responsibilities ([Github Repo](#)) - Hack the North 2021

Sept. 2021

- Runner-style game played through user body movements tracked by **MediaPipe** (AI-driven tracking model).
- Implemented random obstacle generation, movement and collision detection in **Python** using **pygame** as part of a modular programming approach.

AWARDS AND ACHIEVEMENTS

- 2x Hackathon and 4x Programming Contest Participant
- Governor General's Award for Academic Excellence and Principal's Award for Student Leadership June 2021
- University of Western Ontario President's Scholarship (**\$50,000** - declined) May 2021
- Placed **1st nationally** at HOSA (health sciences competition) National Leadership Conference. May 2020
- Placed **5th internationally** at DECA (business competition) International Career Development Conference. April 2019
- Placed **2nd internationally** at DECA International Career Development Conference. April 2018

EDUCATION

University of Waterloo

Sept. 2021 – Present

Candidate for Bachelor of Computer Science, Honours, Co-operative Program

Waterloo, ON

- cGPA: 3.97 / 4.0 (**91.6%**)