


Alyssa Guo

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SKILLS

Languages : Java, HTML/CSS, DrRacket, Python, JavaScript

Tools : Figma, LaTeX, Git, GitHub, Wix, WordPress, Trello

PROJECTS

Notebooks+ ([Github Repo](#))

- Productivity web app allowing users to take time-stamped notes alongside videos and lectures
- Designed and implemented UI/UX **from scratch** using **Figma, HTML and CSS**

Running from Responsibilities ([Github Repo](#))

- Endless runner-style game controlled by body movements, tracked using **MediaPipe** (AI-driven tracking model)
- Implemented random obstacle generation and movement in **Python** using **pygame**.

EXPERIENCE

Camp Explore Coding Camp, Peel District School Board

June 2021 – July 2021

Student Leader

- Camp Explore is a summer camp dedicated to introducing children from under-served communities to programming. Directly supported **60 students** to teach them basics of **Scratch, JavaScript, and HTML/CSS**, enabling them to independently create their final projects.
- **Independently planned and led a code-a-long workshop:** [View Recording](#)

Prospective Medical Professionals (PuMP)

May 2020 – Present

Tech Team Web Developer and Conferences Lead

- PuMP is a **youth-led NPO** dedicated to connecting under-served students across Canada to resources for pursuing a medical career. Designed UI/UX for new Sponsors page from scratch using **Figma** and used **HTML, CSS and JavaScript** to redesign and transform WordPress site to code. Currently preparing for launch. ([Github Repo](#))
- As part of the national logistics team, led and organized **15 officers** in hosting **5 conferences** averaging **150 attendees** each.

Fridays for Future Toronto

May 2020 – Present

Website Designer

- Toronto-based chapter of the **international climate movement** led by youth. As the **primary web designer**, led a website theme redesign, leading to **140% increased web traffic** (over **4400** visitors). Responsible for regular updates and maintenance, including pictures and events. ([Website Link](#))

University of Waterloo Mathematics Society

Sept. 2021 – Present

Website Developer

- Student government for the faculty of math. Responsible for regular website maintenance and updates. Currently redesigning the home page. ([Website Link](#))

EDUCATION

University of Waterloo

Sept. 2021 – June 2026 (Expected)

Bachelor of Computer Science

Waterloo, ON

Glenforest Secondary School

Sept. 2017 – June 2021

International Baccalaureate Diploma and OSSD

Mississauga, ON

- **100%** average, academic subject awards in SL chemistry, SL math and HL economics
- **Extracurriculars:** Student council president, DECA, HOSA, volleyball team, United Way exec., music council exec.
- Principal's Award, Governor General's award, Glenforest Gryphon award (leadership and contributions)