

Alex Yu

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High school senior passionate about technology, business, and psychology. I enjoy learning and creating with a variety of tools and languages with a recent focus on full stack development. I love going to hackathons, experimenting with new programming frameworks, and working with others to build cool things. I'm a driven and self-motivated learner always seeking opportunities to grow and build valuable connections.

Education

Marc Garneau Collegiate Institute

Sep 2017 – Jun 2021

TOPS (Talented Offerings for Programs in the Sciences), an enriched math, science, and English program

Skills

Front End

React, JavaScript, CSS, Sass, Material UI, GatsbyJS

Back End

Flask, FastAPI, NodeJS, ExpressJS, REST APIs, MySQL, AWS, GCP, Firebase

Other

Git, Docker, C++, Rust, Java, React Native, TensorFlow, Unity, Figma

Experience

Ursa Education, *Development and Design* [↗](#)

Jun 2020 – present

Responsible for designing and prototyping a web application to help users track payments, access financial data, and receive important notifications.

DMZ, *DMZ Fellow* [↗](#)

Jul 2019 – Present

Participated in the DMZ Basecamp program as a co-founder of Autophase, an AI-assisted tool that aims to help founders save time and focus on priorities by automating the creation of promotional materials and infographics.

- Received mentorship, guidance, and feedback from founders and investors on prototyping and iterating

Stackd, *Chief Technology Officer* [↗](#)

Oct 2019 – Jun 2020

Led a team of developers to build a web platform focused on creating an inclusive and harassment-free online environment for gamers.

- Organized efforts and developed a web application with React, Sass, FastAPI, MySQL, Docker, and AWS
- Ran educational workshops for team members to cover important programming and design concepts

Starterhacks, *Mentor* [↗](#)

Jan 2020

Helped teams with development, design, and business related topics at Canada's first and largest beginner-focused hackathon hosted at the University of Waterloo.

University of Toronto Dalla Lana School of Public Health, *Summer Institute Student*

Jul 2019

Program designed to introduce students to ideas and issues in public health and health care with a multidisciplinary approach to education. Guided by educators specializing in eHealth Innovation at the UHN (University Health Network).

Awards

MIT-IBM Green Compute Challenge, *HackMIT* [↗](#)

Sep 2020

Created a project to lower the carbon footprint of high performance computation by raising awareness of environmental impacts. The project allows a user to calculate and visualize carbon impact, compare against top supercomputers, and suggests resources.

Best Qualification App, *Best Use of Esri, DocuSign Good Code* [↗](#)

Jul 2020

Created a web application that helps an FSC Certification Body approve a company's eligibility for a remote audit by assessing geospatial data and input requirements. The project uses React, Material-UI, Express, Microsoft Dynamics 365, and Esri APIs.