

Eric Shim

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SKILLS

Languages: Javascript, HTML/CSS, Processing, PHP, Python

Libraries/Frameworks: Django, jQuery, React, Node.js, Laravel, Hugo

Tools: Visual Studio Code, Git, Adobe Ps/Pr/Ae/Au, Excel, Arduino, Solidworks, TinkerCAD

EXPERIENCE

Network Engineering Co-op

January 2023 – April 2023 | *Rogers Communications* | Brampton, ON

- Redesigned the team's internal web portal using **Laravel**, **PHP**, **HTML**, **CSS**, and **jQuery** for a more user-friendly experience.
- Upgraded and enhanced the team's data scraping tool using **Selenium** and **Python**, improving stability and browser compatibility.
- Designed and implemented an interactive connection map widget using **LeafletJS**, **jQuery**, **Python**, and **Pandas**, allowing users to filter and visualize server locations.

Co-Founder, Frontend Lead, Game Development Lead 🎮

July 2021 – June 2022 | *Project Metropolis* | North York, ON

- Built a responsive and accessible school website, serving as a comprehensive student resource hub during the pandemic.
- Led the frontend team in creating a visually appealing and intuitive site using **HTML**, **CSS**, and **Javascript**.
- Successfully attracted **over 900 visitors** within the initial two months after launch.
- Collaborated with the backend team in designing database models utilizing **Django**.
- Developed an informative TV site to display school announcements using **HTML**, **CSS**, and **Javascript**.
- Directed a diverse team of programmers, composers, and graphic designers in the development of engaging holiday-themed **games**, inspired by the "Google Doodle" concept.

PROJECTS

SiGnL – Live ASL Translator for Video Conferences 🎮

September 2022 | *Hack the North*

- Developed a live ASL translator application compatible with various video-calling platforms using **Tkinter** and **Python**.
- Utilized a **TensorFlow** AI model to analyze sign language in real-time using the device's webcam.
- Developed a virtual camera solution to overlay translations onto the video feed before passing it back to the call.

Sigma NLP – Streamlined NN-based Sentiment Analyzer 🎮

August 2020 | *Ignition Hacks*

- Processed and tokenized input data using **Python** and **Regex**.
- Designed a neural network model using **TensorFlow** libraries in **Python** to analyze positive and negative sentiment in a sentence.
- Secured **3rd place** in the Sigma division out of 62 participating teams.

EDUCATION

University of Waterloo

September 2022 – April 2027 | *Candidate for BAsC : Systems Design Engineering*