

# Miiyu Fujita

[Portfolio Website](#) | [GitHub](#) | [LinkedIn](#) | [miiyu.fujita@mail.mcgill.ca](mailto:miiyu.fujita@mail.mcgill.ca)

## EDUCATION

**McGill University** · B.Eng., Electrical Engineering · CGPA: 3.94/4.00

Sep. 2020 - Dec. 2024 (Expected)

## SKILLS

- **Languages:** Python, Java, HTML, CSS, Javascript, Typescript, C#, SQL, FXML, ARM Assembly, VHDL
- **Tech:** React, Bootstrap, ThreeJS, Git, GridLAB-D, Tensorflow, Keras, pandas, NumPy, Figma, ASP.NET, Razor

## EXPERIENCE

### Pomerleau

Jan. 2023 - Present

Software Developer Intern | Full-stack web development

- Collaborated with a teammate to build an **API** with **9+ corresponding UI features** using **React, Typescript, CSS, C#**
- Currently rebuilding above API as a standalone full-stack application to enable use across platforms

### McGill University | NSERC Undergraduate Student Research Award

May 2022 - Aug. 2022

Research Intern | [GitHub](#)

- Researched electricity distribution network hosting capacity methods to quantify impact of renewable DERs on the grid
- Increased productivity of data analysis by a **factor of 30** by writing a **Python** script to automate parsing of JSON data and compute voltage range violation occurrences, using **pandas**
- Wrote **Python** script to perform Fortescue's transformation on voltage matrices to quantify unbalances using **NumPy**

### McGill Rocket Team

Sep. 2020 - Oct. 2021

Ground Station Software & Hardware Project Lead / Avionics Member | [GitHub](#) | [Demo Video](#)

- Collaborated with 3 teammates to design and implement a full-stack live rocket telemetry GUI application crucial to rocket recovery process evaluated at Spaceport America Cup Intercollegiate Rocket Competition using **Java & FXML**
- Authored and presented introductory lecture on ground station projects to **10+** new recruits during 2021-22 bootcamp

### Business Development Bank of Canada

Jun. 2021 - Aug. 2021

Cyber/IT Risk Analyst Intern

- Facilitated technology risk assessments of 5 third party services and aided 26 company-wide cyber risk training conferences

## PROJECTS

### Create-Your-Golf Landing Page

Sep. 2022 - Present

Personal Project | [GitHub](#) | [Website](#)

- Designed and currently implementing a 3D golf ball customization service's landing page using **ThreeJS, ReactJS, CSS**

### Personal Portfolio Website

Aug. 2022

Personal Project | [GitHub](#) | [Website](#)

- Designed and implemented a fully responsive portfolio website using **HTML, CSS (media queries), Bootstrap**

## LEADERSHIP & INVOLVEMENT

- **Deputy PM - Automated Storage/Retrieval System:** Led 6 students. Final system sorting and delivery requirements outperformed by **400%** & **167%** respectively. **100%** success rate of functions achieved through iterative testing.
- **Co-Founder & Co-Facilitator - McGill Book Club:** Extra-curricular book club, amassed **200+** member registrations.
- **MAIS202 - McGill Artificial Intelligence Society:** Machine Learning Bootcamp attendee. Trained yolov3 computer vision model using Google's Open Images Dataset to recognize humans in a given image.