MIIYU FUJITA

Portfolio Website | GitHub | LinkedIn | miiyu.fujita@mail.mcgill.ca

EDUCATION

McGill University   Sep. 2020 - May 2024
B.Eng., Electrical Engineering · **CGPA: 3.92/4.00**

SKILLS

Tech & Languages: Java, Python, HTML, CSS, ReactJS, Bootstrap, jQuery, MongoDB, Mongoose, NodeJS, ExpressJS, ThreeJS, Javascript, Git, FXML, Hyper, MATLAB, VHDL, ModelSim-Altera | Fluent in English, Japanese and French

EXPERIENCE

McGill University | NSERC Undergradute Student Research Award   May 2022 - Aug. 2022
Summer Research Intern | GitHub
- Wrote **Python** scripts to automate parsing of JSON data and compute voltage range violation occurrences: output in csv
- Wrote **Python** scripts to perform Fortescue's transformation on voltage matrices to quantify unbalances between phases
- **Python (pandas and NumPy libraries), GridLAB-D (open source, CLI simulation software), DER (solar panels)**

McGill Rocket Team   Sep. 2020 - Oct. 2021
Ground Station Software & Hardware Project Lead / Avionics Member | GitHub | Demo Video
- Authored and presented introductory lecture on ground station projects to 30 new recruits during 2021-22 bootcamp
- Implemented front-end GUI to present live rocket telemetry through animated graphical displays using **Java & FXML**

Business Development Bank of Canada   Jun. 2021 - Aug. 2021
Cyber/IT Risk Analyst Intern
- Performed technology risk assessment of 5 third party services and facilitated 26 cyber risk training conferences

PROJECTS

Full Stack [MERN] Notes App   Sep. 2022 - Present
Personal Project | GitHub | Website
- Created API endpoints for **Create, Read,** and **Delete** functionalities using Express to interact with note database
- Saved created notes onto front-end interface using React Hooks, and into the database as collections using mongoose
- **MongoDB (mongoose), ExpressJS, ReactJS (Hooks: State/Effect, fetch & async functions), NodeJS, HTML, CSS**

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**

Cryptocurrency Tracker API   Aug. 2022
Personal Project | GitHub | Website
- Implemented a fully responsive app to display cryptocurrency data fetched from CoinGecko API using **ReactJS (Hooks)**

LEADERSHIP & INVOLVEMENT

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 custom yolov3 model using Google's Open Images Dataset to recognize humans in a given image
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