Emily Kissoon

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SKILLS

- **Programming Languages:** C/C++, Python, Javascript, HTML, CSS, SQL, MATLAB, Arduino
- **Tools/Frameworks:** Flask, Django, SASS, Jinja, Bootstrap 4, SQLite, Git/Version Control, REST API
- **Other:** VS Code, Excel, Eclipse, JetBrains IDE, Netlify, Heroku

WORK EXPERIENCE

Hatch LTD, Sudbury – *Project Support Technician, Control Automation & Electrical Group*
Jan 2020 – Mar 2020

- Created electrical layout drawings such as cable schedules and wiring diagrams using references from senior engineers.
- Back drafted several drawings for various projects using AutoCAD, MicroStation and Open Plant PID.
- Demonstrated organizational and time management skills by preparing project packages consisting of hundreds of drawings to be issued directly to the client.
- Updated projects to new software to allow integration of new programs.

PROJECTS

Personal Website

Jan 2021

- Developed and deployed personal website to display projects, skills, resume and contact information.
- Designed using **Javascript** and **HTML/CSS** with **Bootstrap 4** and deployed with **Netlify**.

Auctions

Dec 2020 – Jan 2021

- Used **Django** to create full-stack web application based on e-commerce where users can bid on active listings or create their own listings and auction them.
- Designed front-end architecture using **Jinja** and **HTML/CSS** with **Bootstrap 4**.
- Integrated several Django models and used **SQLite** to maintain all information on the website, including user information, active or inactive listings, specific listings users wish to track and who won each listing.

Stock Trade

Oct 2020 – Nov 2020

- Developed a full-stack web application using **Flask** framework to serve a **REST API**, allowing users to practice buying and selling stocks with real time stock prices.
- Engineered a **SQLite** database to store all user information allowing user history to be displayed.
- Designed minimalist front-end user interface using **Jinja**, **HTML** and styled with **Bootstrap 4**.

Encyclopedias

Nov 2020

- Engineered full-stack web application that mimics several popular online encyclopedias.
- Developed application using **Django** to allow users to access existing encyclopedias and add their own entries.
- Integrated **Markdown** to **HTML** conversion facilitating users to easily add their entries and automatically create webpages.
- Designed front-end interface loosely based on similar applications.

Filter

Sept 2020

- Created **C-command line** program that allows persons to edit their .bmp photos by implementing several filters.
- Users can apply grayscale (convert to black and white), reflection (create mirrored image), blur and edge (highlight every edge as often used in artificial intelligence algorithms for image processing).

EDUCATION

Candidate for BASc in Electrical Engineering, University of Waterloo, Waterloo, ON. *Sep 2019 – April 2024*

- Ranked in the 1st quartile of student academic performance
- Relevant Courses: Algorithms & Data Structures, Digital Computers, Fundamentals of Programming (C++)