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 by issued directly to the client.
- Updated projects to new software to allow integration of new programs.

PROJECTS

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.

Auction

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 wished to track and who won each listing.

Personal Website

Jan 2021

- Developed and deployed personal website to display projects, skills, resume and contact info.
- Designed using HTML/CSS in a Flask Framework and deployed with Netlify.

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 the following filters: 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