Hannah Brooks

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EDUCATION

Bachelor of Applied Science, Computer Engineering
University of Toronto, expected June 2022
Concentration: Software and Networks

EXPERIENCE

Software Engineering Intern September 2019 - Present
Decker Medicine

- Updating models and customizing queries to better suit the needs of the current website.
- Pioneering collecting user analytics to improve funneling and customer satisfaction.
- Will be helping to iterate upon current site and shift to React.

Web Developer Student Summer 2019
RareConnect.org at SickKids

- Worked on a variety of features on the website including implementing the "bookmarking" functionality and new sorting features on posts.
- Began a new branch of project for RareConnect within SickKids to use for data collection.
- Implemented file upload and storage, data organization in forms and doctor patient data base relations.

PROJECTS

GIS Mapping Software Winter 2020
Project for ECE297

- For this coding class I worked in a team of three to create a functional city-mapping application in C++.
- We used OpenStreetMap data in order to create a rendered map via an OpenGL-like interface.
- Some algorithms we used for path-finding included A*, Djikstra and Greedy.
- We also created an interface that was user-friendly and included features for toggling.

Text Editor Winter 2020
Project for ECE243

- In the final project for computer organization I worked in a team of two to rebuild a classic text editor.
- App is built in C using code for the ARM framework.
- Notable features include use of character buffer, pixel buffer to implement copy, cut and paste as well as seamless cursor movement.

COMPUTER SKILLS

Languages: C/C++, Python, Django, Java, Javascript, Matlab, Verilog
Tools: Git, React, Linux, SQL (Postgres), Docker, Vim, Node.js