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EDUCATION

Math and Computer Science B.Sc.

May 2022

Ryerson University, Toronto, Canada

GPA 4.03/4.33

Relevant Courses Machine Learning Database Systems Data Structures

EXPERIENCE

Web Accessibility Assistant Ryerson University

05/2020 to Present

- Reviewed and composed detailed audits of 50+ websites at Ryerson University to ensure that they are WCAG 2.0 compliant which improved overall web accessibility and usability.
- Researched and tested accessibility specifications such as ARIA, MathML and forms using assistive technologies (screen readers, accessibility toolkits) to meet the level AA standard.

User Interface Lead Ryerson Rams Robotics

01/2020 to Present

- Created a web dashboard that displays data sent from a rover to a host computer which allows a person to remotely see the logistics of the rover (Eg: Camera, GPS, Speed, Arm position).
- Optimized the backend server for listening to different rover modules such as the camera stream, using UDP and TCP sockets which made it easier to segregate the data coming from different modules.
- Visualized the rover's path on a GPS-like map by displaying the rover's coordinates, checkpoints and stations on a 2D Map using a Canvas library called Konva.

Web Developer InnovationTank.ca

05/2020 to 08/2020

- Built a website for a non-profit organization that donated over 10,000+ earsavers to front-line workers.
- Implemented a notification system using a Discord bot that sent a message whenever a new order was placed which made it easier to track the orders coming in.
- Coordinated with designers to create a consistent design; attracting 100+ unique visitors per month.

SKILLS

Languages Python JavaScript HTML CSS Java R

🔧 **Libraries** React Redux Axios Express SCSS/SASS Socket.IO Tensorflow Spring Boot

🏠 **Technologies** Node.js Git Figma VS Code Postman TypeScript SQL WebGL GraphQL

PROJECTS

OMath [View Demo](#) [View GitHub](#) **Browser based note taking application that converts drawn images to LaTeX**

- Created a smart note-taking web application that converts digitally drawn notes to LaTeX using Mathpix API so that professors can create neater notes online for teaching math.
- Designed a split-screen dashboard with a notes view and a canvas drawing pad which lets instructors teach math by only streaming their screen.

Cancelled Toronto [View Demo](#) [View GitHub](#) **Blog showcasing cancelled transit plans around Toronto**

- Built and designed a responsive website using Next.js that showcases research about past cancelled transit plans in Toronto, aimed to teach Torontonians about the developments of their transit system.
- Designed a modular template that can be reused throughout the website for content management.
- Implemented BEM architecture in SCSS for writing scalable and maintainable CSS.

HACKATHONS

🏆 2020 **Earthxhacks** Top 10 overall

🏆 2020 **Winhacks** People's Choice Award

🏆 2020 **Deltahacks VI** Best use of Machine Learning

EXTRACURRICULARS

RUHacks Hacker Experience Coordinator

Developer Student Club Partnership Lead

Ryerson Rams Robotics User Interface Lead