MATTHEW HOBBS

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EXPERIENCE

Software Engineer Intern

Royal Bank of Canada Toronto, Canada May 2020 - August 2020

- Designed and implemented a solution for tracking key performance indicators using Node.JS, SQL, and Azure to increase the effectiveness of decision making by team leaders
- Developed APIs for virtual visa debit inquiry and application to improve the modularity of visa debit implementation
- Thoroughly researched the viability of using the Elastic Stack to monitor PTB/CIS data for improved tracking and understanding of client trends across the bank

Test Automation Engineer Intern

Mitel Networks Ottawa, Canada July 2019 - August 2019

- Developed an end-to-end framework using Node.JS and Protractor to assist in the creation and execution of end-to-end tests, thus speeding up test suite development time by 500%
- Developed automated end-to-end tests using the previously described framework to catch regressions and maintain the quality of future releases

EDUCATION

Bachelor of Computer Science, Honours

Carleton University Ottawa, Canada September 2019 - Present

- Second year standing. Overall GPA: 11.2/12 (A). Major GPA: 11.57/12 (A+).
- Minor in Business, Minor in Statistics.

PROJECTS

Smarticle News

January 2019 - June 2019

- Planned, designed, and developed a tool to aggregate and sort news articles based on story to simplify the lives of those who wish to understand the world around them
- Developed the frontend and backend systems using the MEAN stack to further develop technical skills used in industry today

Feedbank

cuHacking January 2020

- Planned, designed, and implemented a solution for tracking user sentiment around specific topics on Twitter to provide teams with a better understanding of public sentiment
- Developed a frontend user interface with Angular to ensure simplicity and ease of use
- Communicated effectively with a team of 3 other students to ensure quick development and MVP completion within 24 hours
- https://devpost.com/software/cuhacking-2020-q7g5hd

Personal Website

December 2020

- Designed, developed, and deployed a personal website using Svelte.js to reduce bundle sizes and Vercel for real-time deployments
- Utilized WebGL to map high quality textures onto 3d geometry rendered in real-time

SKILLS

Languages

`JavaScript` `TypeScript` `Python` `HTML/CSS` `Java` `SQL` `C/C++`

Technologies

`AWS` `Azure` `Node` `Protractor` `MongoDB` `Angular` `Vue` `Svelte` `Pulumi`

ACHIEVEMENTS

Dean's Honour List

Carleton University

Innovation Challenge Winner

Royal Bank of Canada May 2020 - August 2020

- Planned and prototyped a density tracking solution to reduce the health risks associated with RBC's back to work initiative
- Worked effectively with a team of interns and collaborated with employees from teams such as privacy, risk, and security
- Presented solution to multiple members of senior management and wrote a detailed hand-off package for future use

RBC Analytics Challenge Winner

cuHacking January 2020

- Competed against 14 other teams and presented the final solution to a panel of RBC employees
- Refer to Feedbank for more information

EXTRACURRICULARS

FIRST Robotics Competition

Earl of March Secondary School

IEEE Ottawa Robotics Competition

Earl of March Secondary School

ECOO Programming Competition

Earl of March Secondary School