Rebecca Schmelzer

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Education

Bachelor of Engineering, Software Engineering. GPA: 3.5   **Expected Graduation: Spring 2023**
McMaster University – Hamilton, ON.
  Relevant Coursework: Data Structures & Algorithms, Java OOP, Web Applications, Large System Design, Databases, Computer Networks and Security, Software Project Management, Software Requirement and Security, Software Testing.

Skills

Programming Languages: Java, JavaScript/TypeScript, Python, SQL.
Technical Skills: Git, ReactJS, Angular, Redux/Flux, HTML, CSS/Bootstrap, Firebase.

Experience

Crown Academy – Toronto, ON.   May 2021 – Aug 2021
Information Technology Intern
IT development & research for an online education company for overseas students seeking their high school diploma in Toronto.

- Led team of 5 co-workers consisting of engineering students in researching solutions for improving website performance.
- Improved web performance by 15% by debugging multiple Plugins through writing test scripts **(JavaScript)**.
- Increased code coverage by 10% within the Information Technology team by creating unit tests **(Java, JavaScript)**
- Designed and implemented navigation menus and admission forms for company website **(JavaScript, HTML, CSS)**

Projects

Becflix – GitHub   December 2021

- Created a **Firebase** app that shows titles of movies and TV based on specific categories such as horror, comedy, etc.
- Implemented front-end using **ReactJS**, connected to a database through an API key given by TMDB.
- Implemented authentication pages: sign up and login/logout, and plan upgrade page using **ReactJS** and **Redux**.

Job Search – GitHub   Aug 2021

- Created a website to make searching for jobs easier. Aimed to help students with their hunt for full-time jobs/ internships.
- Implemented the entire front-end and back-end with extended features such as specified filtered searches. **(JavaScript)**

Covid-19 Tracking – Github   Jun 2021

- Led team of 3: organized meetings, delegated tasks, helped teammates debug, etc.
- Created a platform aimed for people to retrieve different Covid-19 related data from different countries.
- Implemented the entire search system to allow people to access data from any selected country **(Python)**.

Community involvement

Software Team Lead – McMaster Deep Space Analogue Research Expedition Team   December 2021 - Present

- Lead a team of 4: delegate tasks and oversee the build and maintenance of the club website.
- Implemented login and logout components, Home and About pages for the club website using **ReactJS** and **Redux**.
- Increased sign-ups by 15% in just two months of club formation through website launch through **Firebase.**

Volunteer Director – TEDxMCMASTERU   Sep 2019 – Dec 2019

- Led team of 3 other directors to help interview and recruit volunteers for the Ted Talk.
- Co-ordinated a team of 30 volunteers in setting up and handling guest registration, stage, auditorium and catering.