

MAHZABIN RASHID FARIHA

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EDUCATION

University of Waterloo

Sept 2020 - April 2025

Bachelor of Computer Science (Co-op)

Current GPA: 3.7/4.0

EXPERIENCE

Wealthsimple

Toronto, Canada

Software Engineer Intern (Full Stack)

Jan 2023 - April 2023

- Boosted portfolio discoverability utilizing **React Native**, spiking user traffic to over **1 million** for assets worth \$15B
- Migrated **Ruby on Rails** services for Invest app deprecation messaging, seamlessly transitioning **230K+** users
- Implemented **TypeScript** data validation types and incorporated new actions and reducers into **Redux** for efficient asset and text imports into Contentful, enabling agile content updates and boosting stakeholder satisfaction
- Created reusable components and assets in the **Design System** for cross-repository use, streamlining development

Wattpad

Toronto, Canada

Software Engineer Intern (Full Stack)

May 2022 - Aug 2022

- Revamped the user interface for Watty Awards 2022 in **React**, resulting in the seamless submission of **50K+** forms
- Automated user complaint notifications using **Golang** microservices, streamlining customer support tickets
- Spearheaded the user accessibility project, utilizing Axe DevTools to reduce accessibility issues by **20%**
- Enhanced code reliability by scripting unit tests using **Jest** and **Enzyme**, achieving **80%** coverage of the codebase

Modumate

San Francisco, California

Software Engineer Intern (Full Stack)

May 2021 - Aug 2021

- Single-handedly led the frontend development of a real-time collaboration project for architects, using **Vue** and **Vuex** to craft **5+** multi-purpose webpages, resulting in improved productivity for **3000+** enterprise users
- Implemented a project duplication feature with **Express**, allowing users to replicate projects directly via the web app
- Created custom **SQL** queries to filter data, resulting in more efficient data processing for user engagement statistics
- Utilized Klaviyo API for automated messaging for password resets and workspace collaboration invitations

TechNova

Toronto, Canada

Engineering Lead

May 2022 - September 2023

- Spearheaded UWaterloo's **first women-in-tech hackathon**, attracting **400+** global hackers for diversity in tech
- Managed development of the TechNova website using React animations and transitions, driving **3000+** website visits

PROJECTS

TutorLab

- Led the development of a full-stack educational platform valued at **\$200k** and attracting over **700** users
- Developed **13+** **React** pages with **Redux** for global state management and i18next for multilingual support
- Set up a custom domain on **GCP's** App Engine and developed scalable backend components, including **MongoDB** database schemas and **ExpressJS** for APIs, secure authentication, and controllers

Chess

- Implemented OOP principles to develop a human vs computer chess engine using **C++**

SustainU

- Competing against **1000+** participants, conceptualized and developed a web app in 24 hours using **Next.js**, **Tailwind CSS**, and **Flask** to address climate change, winning Technica 2023

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Ruby, Go, Python, C/C++, SQL

Technologies: React, React Native, Redux, Vue.js, Vuex, Next.js, Jest, Express, Flask, Git, Node.js, Ruby on Rails, Golang