

MAHZABIN RASHID FARIHA

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EDUCATION

University of Waterloo

Sept 2020 - April 2024

Candidate for Bachelor of Computer Science (Co-op)

University of Waterloo President's Scholarship of Distinction recipient

EXPERIENCE

Wattpad

Toronto, Canada

Software Engineer

May 2022 - Aug 2022

- Updated the **React** frontend of **2000+** lines for the Watty Awards 2022 and received **35,000+** submissions
- Spearheaded the user accessibility project and reduced accessibility issues detected by **axe DevTools** by **20%**
- Mocked components for the **Web UI Library** which is used by **20+** engineers for their front end projects
- Led the investigation and planning to modernize the comment codebase to improve developer efficiency
- Wrote unit tests using **Jest** and **Enzyme** with **80%** coverage to enhance code reliability and maintainability

Modumate

San Francisco, California

Frontend Software Engineer

May 2021 - Aug 2021

- Led the development of workspace collaboration project, allowing real-time collaboration amongst multiple users
- Leveraged **Vue** and **Vuex** to build membership, invitation, project, and settings pages used by **3000+** enterprise users
- Refactored the authentication flow and integrated Vue routing to reduce unnecessary network requests by **40%**
- Enhanced data processing for user engagement statistics by creating **SQL** queries to filter data

TechNova

Toronto, Canada

Engineering Coordinator

May 2022 - Aug 2022

- Organized University of Waterloo's first Women in Tech hackathon, with over **400+** hackers internationally
- Coordinated cross-functionally with designers to create and host a **React** web app, receiving **950+** website visits

PROJECTS

TutorLab

- Conceived and developed an online marketplace that connects tutors and students using **MongoDB**, **Express**, **React**, and **Node**, with a valuation of **\$200,000** after the pre-seed round
- Architected the frontend using **React**, implemented **Redux** for state management, and designed the web app using **Figma**, creating over **13** pages single-handedly
- Configured a custom domain to host the app on **App Engine** in the **Google Cloud Platform**

Coffee Hours

- Built a web app for virtual chats with university mentors, winning TechNova 2021 among **300+** participants
- Used **React** for the frontend, integrating a filter functionality to sort mentors according to students' needs
- Set up an authentication system with **Firebase** and integrated Cloud Firestore to store and display user data

Algorithmia

- Worked in a team of 4 to design the UI and develop a blog that hosts visualizations of computational and procedural generation algorithms using **HTML**, **CSS**, and **JavaScript**

Creators' Colosseum

- Conceived and created a WordPress site for artists to showcase their creativity, leveraging various plugins
- Acquired a customer base of **2000+** within the first two months of launch with user retention of **65%**
- Secured first place in the Upper Division of Spring Ideathon by Tomorrow's Entrepreneurs for the business idea

SKILLS

Languages: JavaScript/TypeScript, HTML, CSS, Python, C, C++

Frameworks and Tools: React, Vue, Node, Express, MongoDB, Git, Firebase, Figma, WordPress, Google Analytics