

Mohammad Ahrazul Haque

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SKILLS

Languages: JavaScript, Python, Racket, C, Swift, Solidity

Frameworks: TensorFlow, MongoDB, Express, React, Next, Torch, Pandas, Tailwind, Passport.js, Stripe.js

Developer Tools: Git, Pycharm, Remix, Tableau, Kaggle, PowerBI

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Mathematics in Statistics

Expected graduation: 2027

- University of Waterloo President's Scholarship of Distinction.

EXPERIENCE

Front End Lead | *uwosp.com*

Sept 2023 - Present

UW Orphan Sponsorship Program

Waterloo, ON

- Leveraged **CSS**, **HTML**, **JavaScript**, and Shopify's **Liquid** templating language to develop multiple webpages.
- Applied **Shopify Analytics** to enhance website performance, implementing data-driven strategies to streamline user experience, notably reducing clicks to reach the donations page.
- Led and motivated a diverse tech team, successfully completing all website-related projects 15% ahead of schedule.

Software Developer | *uwmsa.com*

Sept 2023 - Present

UW Muslim Students' Association

Waterloo, ON

- Developed a cross-platform mobile app using **React Native**, ensuring a unified user experience on iOS and Android
- Built and deployed an internal wiki site, enhancing past and present team collaboration on decision making.

Firmware Developer

May 2023 - Aug 2023

UW Formula Electric Motorsports Team

Waterloo, ON

- Performed **Hardware in the Loop** testing to validate the integration of **C** programs with the hardware components.
- Created unit tests and **Bash** scripts, ensuring better software validation and improving test coverage by 25%
- Identified memory access errors, such as memory leaks using **Valgrind** and used **GDB** for targeted code debugging.

AI Content Marketing Specialist

Oct 2023 - Dec 2023

Dundas Life

Kitchener, ON

- Conducted in-depth market analysis to identify key trends, resulting in a 30% improvement in targeted marketing.
- Conducted competitive analysis using **VidIQ** and **YouTube Analytics** and generated 10+ leads.

PROJECTS

Readers' Realm |  | *MongoDB, Express, Node.js, React, Passport.js, Stripe.js*

- Created a bookstore database using the **MERN** stack, designed to manage book entries and user information.
- Leveraged **Passport.js** to integrate user authentication, streamlining login functionality and enhancing security.
- Implemented a shopping cart feature enabling seamless book selection and secure checkout using **Stripe.js** for robust payment processing.

CryptoStride |  | *Solidity, Swift, React*

- Designed an interactive website using **React**, offering users real-time access to activity statistics and rewards.
- Implemented secure and efficient smart contracts on the Ethereum blockchain using **Solidity**, ensuring tamper-proof reward transactions for users.
- Engineered a user-friendly iOS app with **Swift**, enhancing engagement by providing a seamless experience for tracking physical activities.

LondonCycle |  | *Kaggle API, Python, Pandas, PowerBI*

- Utilized **Kaggle API** for sourcing data on bike rides in London, enabling the usage of a robust dataset.
- Employed **Pandas** to remove extraneous data, resulting in seamless **PowerBI** visualization.