

Tahmeed Mostafiz

☎ (519) 502-3884 | ✉ t2mostaf@uwaterloo.ca | 📱 Tahmeed27 | 🌐 tahmeed-mostafiz

Skills

Programming Languages: Java, C++, C, Python, Dart, HTML, CSS, JavaScript, Racket

Technologies: React, Redux, Flutter, Android Studio, Firebase, Flask, Git

Projects

RateMyPortfolio

REACTJS, REDUX, MATERIAL UI, CHARTJS, FIREBASE, NETLIFY

- Built a social platform to track stock prices, view trends, and comment and rate portfolios of other users
- Developed a **responsive** web application using **ReactJS** leveraging UI component libraries such as **Material UI** and **ChartJS**
- Retrieved stock pricing and charting data using an external **REST API** to get real-time prices, historical stock data and stock search functionality
- Managed data across different views of the application using **Redux (Thunk)** as well as **React Hooks** for component state
- Used **React Router** to navigate between different pages and implement **route guards** to restrict access to screens available for only authenticated users
- Leveraged Firebase to store user and portfolio data in **Firestore** documents, utilized **Firebase Authentication** to manage user login and registration, and **Firebase Cloud Functions** to send **real-time** push notifications to users. **Deployed** using **Netlify**.

UWScheduler

ANGULAR, MATERIAL, FLASK

- Created a web app designed to optimize scheduling for UW students by providing a schedule without conflicts prioritizing professor ratings
- Implemented the **Angular** UI elements using **Material/Bootstrap** components and handled user input leveraging **Reactive Forms**
- Created **REST APIs** (backend) using **Flask** (python micro framework) that was consumed by the frontend
- Parsed **JSON responses** and implemented the **Requests** library to scrape website data
- Developed a **caching** solution by storing the scraped data locally and then searching that instead of fetching the same data multiple times.

SurveyTree

FLUTTER, FIREBASE

- Built a gamified cross-platform survey app that can be used by companies to survey and assess their app/services
- Utilized a quick one-tap onboarding process supplemented with a growing plant sprite (denoting the progress) to incentivize users
- Developed an **interactive** UI with an infinite scrolling functionality using Flutter's **Material** widgets among other custom widgets
- Utilized **Firebase** to store and retrieve data from **Firestore** collections to manage questions and responses of users

Experience

The Tech Academy

MENTOR

Dhaka, Bangladesh

Jul. 2017 - May. 2019

- Built various games and apps using Processing (visual software sketchbook built on JAVA)
- Promoted to a mentor and thereby, actively contributed to project planning, teaching students and building software for the organisation
- Contributed to the designing and making of the robot for FIRST Global Robotics Olympics 2018 held in Mexico

Footsteps Foundation

SENIOR OFFICER

Dhaka, Bangladesh

Sept. 2015 - Jan. 2019

- Approached prospective clients, conducted meetings and signed contracts selling water filters for Footsteps
- Leader of the team that won Project Trishna, one of Footsteps' events where water-purifying filters had to be sold to various corporations
- Lead Organiser of Project Kick For Six (Soccer Tournament) where over 50 000 BDT was generated to fund Footsteps' charity events

Education

University of Waterloo

CANDIDATE FOR B.S. IN COMPUTER SCIENCE

Waterloo, ON

Sep. 2019 - Expected May 2024

- Admitted with President's Scholarship of Distinction
- Relevant Courses: *Object-Oriented Software Development, Imperative Programming in C, Designing Functional Programs in Racket*
- Term Dean's Honour Lists: 1A - 87.8, 1B - 93.8

Extracurricular Activity

Varsity U-19 Soccer Team

TEAM CAPTAIN

Dhaka, Bangladesh

Jun. 2018 - Jun. 2019

- Organized team practices, drills and starting line-ups
- Achievements: Best Defender Award twice, 1st place in three inter-school tournaments