

MARYAM AFSHAR

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maryamafshar.me

WORK EXPERIENCE

Anoosh Tech Inc. Predicta4 | Quality Assurance Intern

July 2020 – August 2020

- Interpreted the **business requirements** and communicated with back-end developers about the strengths and weaknesses of the website and app to determine if the application was satisfactory.
- Wrote multiple test cases and tested the app with **MySQL Workbench** and **FileZilla** to ensure **data consistency** within the relational database.
- Designed **user interface flow charts** to ensure front-end elements met the business requirements.

City of Toronto | Swim Instructor and National Lifeguard

March 2018 – August 2020

- **Taught 200+ swimmers** ages 3-80 by using engaging activities and lesson plans to improve swimmer's confidence in swimming and first aid.
- Evaluated students' weekly stroke reports and **communicated constructive feedback**, which improved students swimming ability by 75%.
- Monitored 450+ swimmers during lane and leisure swim by following rules and guarding procedures to prevent injuries.

PROJECTS

KindKart | HTML, CSS, JavaScript

- Created a **Chrome extension** that allows users to see ethics reports of online stores (e.g. Amazon & Walmart), shop at alternative, more ethical shops and save with exclusive coupons.
- Collected data of ethics ratings of stores and found alternative websites.
- Tested extension through Chrome and its browser console.

Forget-Me-Not | Android Studio & Java

- Built an app that reminds students to take care of themselves by sending custom reminders.
- Used **Java** and **Figma** commands to design and develop the application.

WaterTrackers | HTML, CSS, JavaScript

- Architected a website that helps citizens prepare and analyze risk for floods using the **Google Maps API** and providing a detailed preparation checklist.
- Website was created with **HTML** and **Bootstrap** and styled with CSS.
- Data was taken from a CSV file then prepared via a Python script.

Swimming Class Database | C++

- Developed a simulated swimming class registration program where users can add, delete, modify and view students in swimming classes by using **object-oriented** programming, inheritance and pointers.

EDUCATION

University of Waterloo

BS of Computer Science

Sep 2020 - May 2025

Relevant courses: Designing Functional Programs (Racket), Elementary Algorithm Design and Data Abstraction (C)

Clubs: Women in CS (WiCS)

SKILLS

Languages & tools:

Python • C++ • CSS • HTML
• JavaScript • Racket

Technologies:

Android Studio • Visual Studio
• Bootstrap • GitHub • Google Drive • Figma

LEADERSHIP

Swim Team Captain

Coordinated a team of 80+ swimmers in practice, training, and competitions. Took the initiative to host optional practices at a public pool on the weekend to help swimmers with technique.

Engineers Without Borders

Prepared videos on iMovie and posters on Canva to inspire students to join the council through Instagram and Facebook.

YouTube Channel

Created engaging university-related videos for over 30 000 viewers and interacted with 100+ students all around the world through YouTube comments.