

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 and determined if the application satisfied requirements.
- Wrote multiple **test cases** and tested the app with **MySQL Workbench** and **FileZilla** to ensure data consistency within relational database.
- Designed **user interface flow charts** to assure front-end elements satisfy desired flow as discussed by business.

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 (eg. Amazon & Walmart), shop at alternative more ethical shops and save with exclusive coupons.
- Collected data of ethics ratings of stores and found alternative websites.
- The **testing** was done through the browser and browser console.

Forget-Me-Not | Android Studio & Java

- Built an app with multiple **Java** commands in **Android Studio** and designed in **Figma** that reminds students to take care of themselves by sending custom reminders.

WaterTrackers | HTML, CSS, JavaScript

- Architected a website that helps citizens prepare for a flood with a detailed to-do list, and with **Google maps API**, users can see if they are at risk.
- 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

Bachelor of Computer Science

Sep 2020- May 2025

Relevant courses: Designing Functional Programs

Societies: Women in CS (WiCS)

SKILLS

Languages & tools:

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

Technologies:

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

Career Interests:

Web Development and design, Software Development

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.

Directed media assistants with editing and filming projects to promote the council on Instagram and Facebook.