




# MARYAM AFSHAR

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## WORK EXPERIENCE

### Predicta4 | Quality Assurance Intern

July 2020 – August 2020

- **Communicated** with back-end developers about the **strengths and weaknesses** of the website and app to enhance users experience.
- Wrote multiple test cases on excel and tested the app with **MySQL workbench and FileZilla** to ensure users' information when creating an account is the same in the database.
- Designed user interface user flow charts to test front-end of website and app.

### 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 (Ex. Amazon & Walmart), shop at alternative more ethical shops and save with exclusive coupons.
- Added a database of ethics ratings of stores and an alternative website locator, 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 by using 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*  
2020-2025

## SKILLS

### Languages & tools:

Python | C++ | CSS | HTML |  
JavaScript | C |

### Technologies:

Android Studio | Visual Studio |  
Bootstrap | GitHub | Google  
Drive |

### Career Interests:

Web Development & Design |  
Project Management |  
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.