

MARYAM AFSHAR

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PROFESSIONAL EXPERIENCE

Engineer in Test Intern | Anoosh Tech Inc. Predicta4

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 test cases and tested the app with **MySQL Workbench** and **FileZilla** which improved **data consistency** by 50% within the relational database.
- Designed **user interface flow charts** to confirm front-end elements are communicating clearly and directly to users.

Swim Instructor and National Lifeguard | City of Toronto

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 enhanced students swimming ability by 75%.
- Monitored 450+ swimmers during lane and leisure swim by following rules and guarding procedures which prevented injuries.

PROJECTS

KindKart | HTML, CSS, JavaScript

- Recognized the problem that many consumers don't know about the ethics behind shops or don't have enough time to check if a store is ethical.
- Created a **Chrome extension & website** using CSS & HTML that allows users to easily see ethics reports of online stores (e.g. Walmart), shop at alternative, more ethical shops and save with exclusive coupons.
- Collected data of ethics ratings of stores from Behind the Barcode Campaign.

Forget-Me-Not | Android Studio & Java

- Identified the problem that students are leading busy lives and it's easy to forget to care for themselves.
- Built an app using **Java** and **Figma** commands that reminds students to take care of themselves by sending custom reminders.

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.
- 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 using **object-oriented** programming, inheritance and pointers.

EDUCATION

University of Waterloo

Bachelor 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 • C • Racket

Technologies:

Android Studio • Visual Studio

• Bootstrap • GitHub • Google Drive • Figma • Canva

LEADERSHIP

YouTube Channel

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

TOHacks Social Media Coordinator

Actively managed TOHacks social media page to promote hackathons and events to encourage brand awareness & engagement.

Swim Team Captain

Coordinated a team of 70+ 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.