

# MARYAM AFSHAR

ASPIRING SOFTWARE ENGINEER

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<https://mary1afshar.github.io>



## WORK EXPERIENCE

### Predicta4 | Quality Assurance Intern

July 2020 – August 2020

- Test website to ensure all buttons and links direct user to correct page & record all test cases on excel sheets.
- Communicate with back-end developers about improvement of website and app.
- MySQL workbench and Postman software used to test.

### City of Toronto | Swim Instructor and National Lifeguard

March 2018 – August 2020

- Explain and enforce rules to keep patrons safe
- Monitor and warn swimmers regarding unsafe situations.
- I taught all age groups from children to adults, wrote 100+ report cards for swimmers and have given constructive feedback to both parents and swimmers.

### Kumon | Kumon Assistant

September 2017- June 2020

- Interact and assist with over 250 students ages 3-16.
- Tutored students and evaluated students' tests.
- Marked and field out student's weekly work reports.

## PROJECTS

### Forget-Me-Not | Android Studio & Java

- Forget-Me-Not is an app that reminds students to take care of themselves. With personal customizations of preference, students will get daily reminders to help them keep track of their water intake, maintain a workout routine, consistent sleep schedule, and wash their hands!

### WaterTrackers | HTML, CSS, Java Script

- WaterTrackers is a website that tells you everything you need to know in case of a flood, and how at-risk you are of encountering one.

### Swimming Class Database | C++

- Within C++, I created an object-oriented database system. It is a simulated swimming class registration program where users can add, delete, modify and view all students registered in swimming classes.

### Operation game | Python, Pygame Graphics

- Created a game where users use the keyboard to collect bones without touching the border to win points within a time limit.

## SKILLS

Technical: C++, C, Python, CSS, HTML & 3-D printing.

Soft: Web Development, Usability Testing, Teamwork Communication & Leadership.

## EDUCATION

BCS. Computer Science  
University of Waterloo  
Waterloo, Ontario  
2020-2025

## CERTIFICATION

Harvard CS50: Introduction to CS

SAS Programing Essentials

Programming Essentials in C++

Cisco Internet of Things

## LEADERSHIP

Varsity Swim Team Captain

- Lead the 80+ swimmers in practice, training and competitions.

Media Master on Engineers Without Borders

- Created videos and posters to inspire many students to join the council & guided my media assistants with editing and filming projects.

## INTERESTS

Sports - Swimming & Gymnastics

3D Printing- Inventor

YouTube Channel