

# Hetang Mehta

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Engineering  
Co-op Program

## Work Experience

### Aquatics Lifeguard and Swimming Instructor- YMCA, Calgary, AB

May 2019 - Present

- Analyzed pool for any potential drowning incidents or any medical conditions.
- Enforced rules of pool to promote safety of patrons. Preventing any running or harming public property.
- Performed regular headcounts, 3 water tests per day, change room checks, and safety checks of equipments.
- Educated more than 3 lifeguards and instructors on effective scanning and teaching techniques.
- Ensured patrons received an amazing learning experience. Age ranging from 12-months old to 120-year old.
- Taught more than 5 classes per session, with more than 7 kids/adults per class.

### Crew Member- Bar Burrito, Calgary, AB

Mar 2021 - Aug 2021

- Managed cash register & provided superior services to more than 1 customer at a time.
- Maintained a clean, sanitized, and safe environment where patrons felt safe.
- Ensured timely delivery of multiple in-store and third party orders.

## Projects

### Clean Water Treatment Project- ENGG 160 | Jan 2022 - Apr 2022

- Formulated a project proposal in a group of 5 for a Water Treatment Plant in Bearskin lake where a water advisory had been posted.
- 4 months of researching resulted in deciding to use a sand filtration system for water treatment.

### Robo Masters- Robomasters Club | Sep 2022 - Present

C/C++, Arduino

- Created functions, were used in visual detection for recognizing enemy robots in close range.
- Applied C and C++ programming skills to navigate multiple robots based on visual data gathered by one robot.
- Updated and optimized code previously written for two robots using C and C++.

## Academic & Co-op Status

### BSc., Computer Engineering - Co-op

University of Alberta, Edmonton, AB  
Class of 2026

Cumulative Grade Point 3.0/4.0  
Average

Completed Academic 2/8  
Terms

Completed Co-op terms 0/5

Length of Next work Term 4 Months

Availability Starting May

'23

## Technical Skills

### Programming Languages

- Proficient: Python, HTML, MatLab, C++.
- Satisfactory: JavaScript, Java.

### Interpersonal Skills

- Always Seeking Improvement.
- Troubleshooting & Attentive to key Details.
- Loss Prevention; Can work under pressure.
- Strong Communication and collaborative skills.
- Consistent and hard-working; Strong work ethic.
- Time management; Highly Organized.
- Fluent in English, Hindi, and Gujarati.

## Key Qualifications

- CPR C and First-Aid
- Lifesaving Society National Lifeguard.
- YMCA Swimming Instructor.
- Lifesaving Society Bronze Cross.
- Lifesaving Society Bronze Medallion.
- Beginner level 1, and 2, ice skating, Cardel Rec South.

## Interests

- Rugby: played in high school Senior team (2018-2020)
- Love to build items; Built patios, decks and etc.
- Love to go camping with family and friends.