

# Hetang Mehta

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## Technical Skills

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**Programming:** Python, C++, JavaScript, Swift, MatLab, C#

**Tools/Frameworks:** NumPy, Selenium, Linux, Tkinter, PyQt, HTML, CSS, Git

**Miscellaneous:** Full-stack Development, Web development, Android App Development, IOS App Development, REST, Data Decoding, Multithreading, Data Structures and Algorithms, Software testing and debugging, Project management

## Education

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**University of Alberta**

Class of 2026

*Computer Engineering, BSc Co-op Program*

## Work Experience

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**YMCA**

May 2019 – Present

*Aquatics Lifeguard and Swimming Instructor – Part-time*

- Trained four lifeguards and swimming instructors on effective scanning and teaching techniques
- Utilized lifesaving techniques to ensure the safety of patrons during a swim test, lessons, on deck and when assisting co-workers
- Ensured patrons aged from 12-months to 75 years old received an amazing learning experience in lessons
- Performed regular headcounts, three water tests per day, change room checks, and safety checks of equipment
- Exposed to at least four scenarios daily which required the ability to collaborate with co-workers and the ability to work under pressure to resolve the scenarios in the best possible way

## Projects [\[Portfolio Website\]](#)

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**Locked-In [\[GitHub Repo\]](#)**

March 2023

- Created studying aid in Python that closes programs detrimental to studying.
- Program closes programs for study period (user-entered) and allows them to run for break period (user-entered).
- Integrates interactive GUI created through Python Library 'Tkinter'.

**Chess App [\[GitHub Repo\]](#)**

January 2022 – Present

- Developed an IOS application using Swift and X-code that allows a user to play a 2-player game of chess with a timer.
- Designing an interface which allows the game to be played between two iPhones
- Created a UI that adapts and changes its dimensions depending on the user's device
- Implementing a timer option which allows the user to have the ability to choose the timer duration; works like a chess timer.

**Random Photo App [\[GitHub Repo\]](#)**

January 2022

- Developed an IOS application using Swift and X-code that allows a user to generate a random photo from a URL
- Implemented web scrapping to be able to extract the data of the random photo generated by the URL
- Developed a UI that can adapt and change its dimensions depending on the user's device

**Dog Classifier Website [\[GitHub Repo\]](#)**

November 2022

- Led team of 4 in developing a dog diet estimation web application.
- Created a login system with the use of HTML, CSS, and JavaScript.
- Developed a time-dependent email notification system, using C#.
- Integrated multiple languages and source code from multiple engineers to achieve a cohesive website.

## Leadership Experience

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**Computer Engineering Club, PR representative**

September 2022 – Present

- Promoted and assisted in organizing GEER week events alongside another PR rep. and two club presidents
- Responsible for paperwork, registration documents, and coordinating deadlines pertaining to GEER week.
- GEER week is a one weeklong event to encourage team building and comradery among students of different disciplines

**The Nest [School Store], Manager**

December 2018 – June 2021

- Led a team of 5 to run and manage the entirety of the School Store at Joane Cardinal Schubert High School
- Achieved to 5x the expected profits within 1 month, which resulted in production of personalized merch.