

# VICTOR TAING

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Portfolio website <https://vtaing-portfolio.netlify.app>

GitHub <https://github.com/vtaing10>

## SUMMARY OF SKILLS AND QUALIFICATIONS

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**Operating Systems** | • Windows 10 • macOS • Mobile

**Applications** | • Word • Excel • PPT • Eclipse • Visual Studio Code • GitHub • Google Colab

**Programming** | • Java (Intermediate) • Python (Intermediate) • Sage Math (Intermediate) • HTML (Intermediate)  
• CSS (Intermediate) • JavaScript (Intermediate) • C (Basic) • NodeJS (Basic) • Clojure (Basic) • Erlang (Basic)

**Languages** | • French | Spoken & Written • English | Spoken & Written • Spanish | Spoken & Written • Khmer | Spoken.

## EDUCATION

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**Bachelor of Engineering – Software Engineering Co-op**

**2023- 2027 (Expected)**

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Relevant Courses: Mathematics for Computer Science, Object Oriented Programming, Web Programming, System Hardware, Object-Oriented Programming II, Principle of Programming Languages, Data Structures and Algorithms.

## PROJECTS

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**My Portfolio (Personal)**

**2023-Present**

- Developed an intuitive portfolio website with **HTML**, **CSS**, and **JavaScript**, which helps improving **user engagement** and time spent on the website.
- Implemented a **responsive** web design, ensuring seamless functionality across multiple devices and browsers, as confirmed by **cross-platform testing**.

**FormCheck AI (ConUHacks VIII)**

**January 2024**

- Developed a tool using **OpenCV** and **MediaPipe**, to track and analyze the quality of exercises repetitions.
- Modified an **open-source** pose recognition **model** to give users live feedback on their workout form, broadening its use to multiple exercises.
- Built a simple interface with **CSS** and **HTML**, enabling users to easily access and benefit from the tool's guidance.

**DEVPOST:** <https://devpost.com/software/fitnesscheck-ai>

**Safe and Sound (PolyHacks 2024)**

**February 2024**

- Developed 'SafeAndSound', a **Python** program to monitor and analyze noise pollution in urban areas.
- Utilized **PyAudio** for noise level detection and **Matplotlib** to graphically represent noise data over time.
- Created **Tkinter** interface to display live and average noise levels, helping cities identify high-noise periods while giving the possible consequences with the possible solutions.

**DEVPOST:** <https://devpost.com/software/safe-and-sound-zms5nj>

## WORK EXPERIENCE

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### Software Engineering Research Assistant

Sept 2024 – Nov 2024

Healthcare Systems R&A Inc. ,Waterloo, Ontario

- Reduced **validation loss** by **17.6%** and boosted **IoU mean** by **18.8%** using cyclical model training with **TensorFlow** and **Keras** on **Python**.
- Increased precision by **26%** through custom data augmentation with **ImageDataGenerator**.
- Optimized convolutional layers with **MobileNetV2** and **BatchNormalization** to improve feature extraction and prevent overfitting.
- Automated model selection using **EarlyStopping** and **ModelCheckpoint** callbacks.
- Led as **team representative**, presenting updates and progress reports.

### Peer Tutor

Jan 2021 – May 2022

Collège Bois-de-Boulogne, Montreal, Quebec

- Identified student difficulties and provided comprehensive support.
- Developed personalized study plans to enhance student understanding.
- Communicated complex concepts in an accessible manner.
- Built strong rapport with students, fostering a positive learning experience.

### Restaurant Staff

March 2019 – May 2022

MOMOKO, Saint-Bruno, Quebec

- Provided table services and ensured smooth operation service.
- Delivered exceptional customer service and addressed inquiries promptly.
- Managed multiple tasks in a fast-paced environment.
- Worked collaboratively with team members to maintain high standard of service.

## EXTRA-CURRICULAR ACTIVITIES

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### Co-founder & President

February 2024-Present

Asian Experience Organization

- Established the A.E.O at Concordia University to serve as a premier social club for fostering connections and enhancing student life through planned social night events.
- Successfully raised over **\$15,000** for the organization through various fundraising initiatives.
- Achieved over **150,000 views** across our platforms, significantly increasing visibility and engagement within the community.

### Captain & VP-Events

April 2024-Present

Concordia Dragonboat Club

- Provided mentorship and support to team members, fostering cohesive and motivated team environment.
- Organized and managed internal club events and activities to enhance camaraderie and morale.