# Vu Cao

vu.khanh.cao@gmail.com https://vucao.ca/

## WORK EXPERIENCE

**Ovenns Analytics Inc.**

Software Developer Jun 2025 - Present

- Developed a responsive full-stack web application using React, Node.js, and Express to manage food sensitivities for both restaurant staff and individual customers.
- Built and maintained features for a B2B and B2C SaaS platform, ensuring scalability and user-friendly design across use cases.
- Collaborated on UI/UX design using Figma to deliver intuitive interfaces aligned with accessibility and brand standards.
- Contributed to scaling operations to multiple restaurants across Ottawa, with plans underway for a nationwide rollout.

**Carleton University**

Teaching Assistant - Computer Science Sep 2024 - April 2025

- Delivered weekly tutorials for COMP 1405, reinforcing core Python and programming concepts.
- Held office hours to support students with assignments and clarify course material.
- Collaborated with faculty to improve lecture quality by creating code examples and test cases.

## EDUCATION

**Carleton University**

Computer Science (AI and Machine Learning) B.C.S. Honours - 3.95/4.00 GPA Sept 2023 – Present

## PROJECT

**Walk in the Park** Apr 2024

- Achieved Best AI in Education Hack in GenAI Genesis 2024 (out of 250+ participants).
- Utilizes React Native, Gemini, and Google Maps to build a gamified mobile application that encourages interaction, awareness and contribution towards local communities.
- Developed a REST API to handle incoming/outcoming requests to the backend efficiently.

**TRACY: Tennis Realtime Analysis Coaching** Feb 2024

- Achieved 3rd Best Hack in QHacks 2024 (out of 200+ participants).
- Developed an accessible and responsive, React web app for real-time tennis analysis and coaching, implementing computer vision algorithms powered by OpenCV and TensorFlow.
- Tracks, calculates rapid projectile movements in 3D space from a monocular viewpoint.
- Delivers personalized insights and feedback to enhance the skills of tennis enthusiasts.

**Melodica** Oct 2023

- Achieved Best Hack for All Arts in McGill AI Hacks 2023 (out of 150+ participants).
- Developed an interactive webapp that leveraged Tensorflow and open source neural networks to separate instrument stems, and providing multiple various functionalities for musicians.
- Implemented a real-time and interactive audio player that allows individual track manipulation.

## SKILLS

- Languages: C/C++, Python, Java, JavaScript, TypeScript, MySQL
- Libraries and Frameworks: OpenCV, TensorFlow, Keras, PyTorch, Node.js, React, Express
- Technologies: Linux, Git, Android Studio, AWS, Docker, Shell Scripting, MongoDB