

Victor Kolawole

18-28 Hogan Street

Ottawa, Ontario, K2E-5E9

514-605-2346 | victor.kolaw@gmail.com | www.linkedin.com/in/victor-kolawole-550976292 | <https://github.com/vitcorr> | <https://victorkolawole.onrender.com/>

EDUCATION

Bachelor of Computer Science

September 2021-May 2025

Carleton University, Ottawa, ON

- **GPA:** 3.3/4
- **Relevant Coursework:** Abstract Data Types and Algorithms, Database Management Systems, Fundamentals of Web Applications, Object-Oriented Software Engineering, Discrete Structures, Programming Paradigms, Computer Graphics, Calculus, Linear Algebra, Operating Systems.

TECHNICAL SKILLS

- **Programming Languages:** HTML, CSS, JAVA, C, C++, Python, PostgreSQL, JavaScript, TypeScript
- **Developer Tools:** VS Code, Atom, Vite, pgAdmin4, QtCreator, BASH, CMD, Microsoft 365, Valgrind, GNU Compiler Collection(G++, GCC), OpenGL.
- **Technologies/Frameworks:** Linux, Windows, Git, React, Node.js, Express.js, Tailwind, Bootstrap

APPLIED PROJECTS

Carleton Course Notifier | *Javascript, Node.js, PostgreSQL, Express, Puppeteer*

- Developed a full-stack web application that allows users to register for notifications when seats in desired courses become available.
- Implemented a relational database schema using PostgreSQL to manage users, courses, and registration records.
- Implemented backend services with Node.js and Express.js to handle user registrations, course status tracking, and notifications.
- Deployed the application using modern cloud services.
- Github link: <https://github.com/vitcorr/carleton-course-notifier>

Health and Fitness Club Management System | *Javascript, PostgreSQL*

- Designed a fitness management program using **JavaScript** and **PostgreSQL**
- Implemented the database using PostgreSQL, creating an efficient and scalable structure based on ER-diagram and normalization principles.
- Developed backend functionalities using Node.js, ensuring robust and secure data processing.
- Implemented the frontend interfaces for members and staff using JavaScript and Pug.
- Collaborated with teams to optimize module interactions and overall application architecture.
- GitHub link: <https://github.com/vitcorr/Health-and-Fitness-Club-Management-System>

Real-time Water Simulation in OpenGL

- Implemented a real-time water simulation project using **OpenGL** and **C++**
- Developed dynamic lighting effects using OpenGL shaders, resulting in a 30% improvement in visual realism.
- Researched and integrated advanced fluid simulation algorithms, leading to more accurate representation of water behavior.
- GitHub link: <https://github.com/vitcorr/WaterAnimationOpenGL>

VOLUNTEER EXPERIENCE/ EXTRA-CURRICULAR ACTIVITIES

Battle Snake Competition - Carleton Computer Science Society

- Created an AI to play snake and compete against other players snakes

Supervisor - The Door Youth Centre, Ottawa, Ontario

WORK EXPERIENCE

Busboy/Assistant barista

August 2018 - March 2019

L'Avenue Restaurant, Montreal, Quebec

- Organized and ensured the meal ingredients were ready before, during and after shifts
- Ensured the cleanliness of the restaurant and equipment

Auto-Detailer

Jan 2024 - Present

Enterprise Rent-A-Car, 226 Queen Street Ottawa

- Clean, vacuum and sanitize vehicle interior
- Wash, clean and dry the vehicle's exterior