

Victor Kolawole

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EDUCATION

Bachelor of Computer Science

September 2021-Present

Carleton University, Ottawa, ON

- Fourth year standing, 8.75/12
- Expected Graduation Date – June 2025

Available for internships beginning May 1 2024 and permanent positions beginning May 1, 2025

TECHNICAL SKILLS

- **Programming Languages:** 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, GitHub, SPSS Statistics, React, Bootstrap

APPLIED PROJECTS

Health and Fitness Club Management System

- 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.
- Used Github For source control
- GitHub link: <https://github.com/vitcorr/WaterAnimationOpenGL>

Neuro-stimulation Medical Device

- Created a simulator for an electrotherapy device using **C++** and **Qt Creator**.
- Used Object-Oriented Design principles and documented with UML Design (Class, Sequence, Activity, State diagrams)
- Developed the GUI using Qt Creator and created use cases for simulating user tasks
- Ran tests in Qt Creator

Password Usability Data Analysis

- Led the statistical analysis efforts for the Password Usability Study, utilizing SPSS to conduct descriptive statistics, data visualization, and inferential statistics.
- Generated meaningful graphs using SPSS to visually represent data distributions for each participant group and variable.
- Conducted appropriate statistical tests to compare performance between participant groups and presented results following APA guidelines.
- Collaborated with team members to integrate descriptive statistics, graphs, and inferential statistics into a comprehensive discussion of the study's findings.
- GitHub Link: <https://github.com/vitcorr/Password-Usability-Data-Analysis>

RELEVANT COURSES/INFORMATION

- Database Management Systems, Fundamentals of Web Applications, Programming Paradigms, Object-Oriented Software Engineering, Discrete Structures, Abstract Data Types and Algorithms, Computer Graphics
- **Bilingual:** English and French

VOLUNTEER EXPERIENCE/ EXTRA-CURRICULAR ACTIVITIES

Battle Snake Competition - Carleton Computer Science Society

- Created an AI to play snake and compete against others

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
- Took orders and prepared meals for customers

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
- Check fuel level and warning lights, Check fluid levels and add as needed
- Ran errands such as delivery, customer pickup and car services on overdue vehicles