

# Samer Frangieh

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## EDUCATION

### Bachelor of Computer Science Computer and Internet Security Stream

Ottawa, ON

Carleton University

Sep. 2022 – Present

- Minor: Business
- Available for a co-op position starting May 2023 for either 4 months or 8 months.
- Relevant Courses: Operating Systems, Intro to Software Engineering, Data Structures and Algorithms

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, Lua, SQL, Haskell

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, VirtualMachine(Linux OS)

**Web Technologies:** React.js, Node.js, PostgreSQL, Web3, DApps, Cloud Computing, MongoDB, SQLite

**Operating Systems Skills:** Systems Programming, Shell Scripting, Kernel Configuration, OS Security

**Other Skills:** ADOBE Photoshop, Blender 3D Modelling, Graphic Design

**Spoken Languages:** English, Native Proficiency/ Arabic, Native Proficiency/ French, Native Proficiency

## PROJECTS

**Fit For All - Fitness Club Management System** | *GitHub, PostgreSQL, HTML/CSS, Django, Python* Apr 2024

- Recognizing the need for an effective and intuitive management tool for health and fitness clubs with features.
- Implemented the System with Django as backend, PostgreSQL for data management and HTML/CSS for frontend
- Achieved an interactive personal dashboards, comprehensive schedule management, and detailed functionalities

**Word Whirlwind - Interactive Puzzle Game** | *HTML, JavaScript, CSS, Node.js*

Jan 2023 – Feb 2023

- Recognized the need for a cross-platform puzzle game with seamless transitions and state retention.
- Developed a dynamic UI and incorporated LocalStorage for state preservation across sessions.
- Achieved a responsive game that offers users an experience on various devices with the ability to resume gameplay.

**Telecommunications Network Simulator** | *C++, Virtual Machine (VM), UML Tools*

Nov 2023 – Dec 2023

- Recognized an opportunity to enhance understanding of telecommunications networks with an interactive game.
- Created a Telecomm network game with elements like dynamic message routing and mobile entity management.
- Successfully serves as a learning tool to help players grasp network concepts through hands-on experience.

**Fitness and Health Bot for Discord** | *Python, Discord API, JavaScript, GCP*

Jun 2023 – Jul 2023

- Identified a growing demand in online communities for fitness and nutrition guidance to help with healthy habits.
- Developed a Health Bot for Discord with features like workout tips, nutrition advice, and daily habit trackers.

## EXPERIENCE

**Marketing and Development - Hackathon Organizer Volunteer**

Sep 2023 – Present

cuHacking

Ottawa, ON

- Tasked with promoting a large-scale hackathon to a diverse student base across the region.
- Collaborating with a team to adopt both online and offline marketing channels and helping secure sponsorships.
- Successfully onboarded participants from various backgrounds ensuring a wide-reaching and highly impactful event.

**Science, Mathematics and Programming Tutor**

Oct 2021 – Jun 2022

AEFC

Ottawa, ON

- Helped improve the academic performance of 10+ struggling students in math, science, and programming.
- Tutored students with interactive learning and adapted teaching strategies to each student's learning style.
- Successfully increased the students' average grades by +17%, showing a great improvement in their understanding.

**VIP Line Chef**

Aug 2021 – Jul 2022

Local Public Eatery

Ottawa, ON

## CERTIFICATES AND AWARDS

**Awards:** Dean's Entrance Scholarship of Excellence for 90% - 94.9% in high school

**Certificates:** Intro to Python Programming, issued by Google/ Intro to Git and GitHub, issued by Google/

Intro to Cybersecurity Foundations, issued by INFOSEC