

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

weConnech.tech - Student Networking | *GitHub, SQLite, HTML/CSS, JS, Render, Auth0*

Mar 2024

- Recognized the challenge students face in finding peers with similar interests for collaboration and support
- Created a intuitive front-end that collects student data and interacts with SQLite database for accurate matching
- Achieved a reliable platform using Auth0 and a capable matching algorithm that ensures student compatibility.

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 Developement - 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 Pyhton Programming, issued by Google/ Intro to Git and GitHub, issued by Google/
Intro to Cybersecurity Foundations, issued by INFOSEC