

Sophia Clifton-Harting

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• <https://github.com/SophiaClifton>

SUMMARY OF SKILLS AND QUALIFICATIONS

IDEs & Applications | Eclipse • VS Code • Visual Studio • Android Studio • PyCharm • Jira • Salesforce Manager • SQL Management Studio (SSMS) • Git/Github • Unity • Unreal Engine • PowerBI • Google Colaboratory

Programming | Java • C • C++ • C# • Python • JavaScript • CSS • Node.js • Assembly • OpenGL • Erlang • Clojure • SQL • AMPscript

OS | Ubuntu • Kali-Linux • Windows • ROS2

Languages | French, English & German | Spoken & Written • Korean | Spoken & Written (Beginner)

Certificates | Ubisoft GCO Act I: Rational Game Design Certificate • Royal West Academy Certificate of Bilingualism

EDUCATION

Bachelor of Computer Science Co-op

09/2022 - 08/2025 (Expected)

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education
- Director of Marketing for Software Engineering and Computer Science Society of Concordia
- Gina Cody School Women in Engineering Entrance Scholarship (2022)
- CGPA 3.78
- Dean's List Student (Fall 2022 - Winter 2023)
- Relevant Courses:
 - o Operating Systems
 - o Advanced programming in C/C++
 - o Data Structures and Algorithms

WORK EXPERIENCE

CRM Web Developer

May 2024 - August 2024

Ubisoft, Montreal, QC

- Collaborated within an **agile**, cross-functional team of designers, developers, and operations specialists to drive the timely and successful launch of campaigns and projects.
- Utilized **HTML** and **CSS** for dynamic email creation, and implemented **AMPscript** for adaptive content, addressing variables such as region, language, and player preferences to enhance personalization and engagement.
- Employed **Jira** to track open tickets and manage project progress, and used **Salesforce** for efficient email creation and campaign management.

IT Technician

Aug 2023 – Dec 2023

Concordia University CommUNITY Support Center, Montreal, QC

- Assisted clients by troubleshooting **SAP Concur** and **Ariba**.
- Researched **SQL** and created an automated dashboard using SQL, SSMS and Excel to highlight the center's performance statistics.

PROJECTS and COMPETITIONS

World Map Data Site - Backend Development Project

<https://github.com/SophiaClifton/WorldMap>

- Implemented a responsive user interface with **HTML** and **JavaScript**, ensuring smooth interactions and real-time data updates.
- Integrated multiple **APIs** to fetch and display information on weather, time, and other country-specific details.
- Utilized **Node.js** for server-side operations, enhancing backend development skills and improving data handling and server communication.
- Designed and managed the application's **backend architecture** to efficiently handle API requests and data processing.

XTREME Programming 2nd place Winner

Concordia ENGWEEK, Montreal, QC

- Used knowledge of **data structures** and **algorithms** to efficiently implement challenge requirements.
- My solution available at: <https://github.com/SophiaClifton/XTREME-Programming-Competition>

CS Games 2024

March 2024

- IOT challenge: Used Kali-Linux and **Ghidra** to reverse engineer the software on a Raspberry Pi.
- Art Forgery Challenge: Replicated HTML pages in quick, successive rounds.

AtHacks (19th/102 teams)

March 2024

- Used **Apktool** to reverse engineer an Android application.
- Used **BurpSuite**, and knowledge of **JavaScript** and web protocols to solve web CTFs.

Campfire Queue (ConUHacks VIII - Behavior Interactive Winner)

Jan 2024

ConUHacks VIII, Montreal, QC

<https://devpost.com/software/tomster-project>

- Developed a mathematical model that predicts queue times in Dead by Daylight by considering factors such as time, region, platform, party size, probabilities of different regions queuing solo vs partied, killer:survivor ratios, and rank diversity.
- Used **Unity** and **C#** to reimagine a Dead by Daylight lobby, and visualize data in a 3D and interactive way.

Portfolio Website (Personal Project)

Sept 2023

<https://sophiacifton.github.io/>

- A portfolio website coded using **HTML**, **CSS**, and **JavaScript** showcasing my art, games, and competitions.
- Involves a dynamic layout and multiple functionalities that allow for smooth navigation through the pages.

Other GameJam Experiences

Ubisoft Gamelabs 2024, Fall 2023 Concordia Game Jam, Ubisoft Creative Jam Fall 2023, 2023 New Year's Game Jam by Gx.Games

Other CTF Experiences

Northsec 2024, ULCTF 2024, JFFI CTF Competition 2024

PROFESSIONAL ASSOCIATIONS

Director of Marketing

April 2023 – present

The Software Engineering and Computer Science Society of Concordia, Montreal, Quebec

- Tasked with creating and posting content and art for SCS events.
- Hosting and promoting sponsored events.