

Sophia Clifton-Harting

sophia.clifton-harting@mail.concordia.ca

• 438.499.8170

• Website: <https://sophiaclifton.github.io/>

• <https://www.linkedin.com/in/sophia-clifton-harting> • <https://itch.io/profile/seabe-z>

• <https://github.com/SophiaClifton>

SUMMARY OF SKILLS AND QUALIFICATIONS

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

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

OS | Linux • Kali-Linux • Windows

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 - present

Ubisoft, Montreal, QC

- Working in a dynamic team involving the cooperation of designers, developers and OPS to ensure the timely launch of campaigns and projects.
- Use HTML and CSS to create emails, and AMPscript to account for conditions such as region, language, and player variables in emails.

CommUNITY Support Agent

Aug 2023 – Dec 2023

Concordia University, 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.

Secretary – Part-time

June 2020 – Jan 2023

Libera Clinic, Montreal, QC

- Kept track of appointments and events for healthcare professionals.

PROJECTS and COMPETITIONS

XTREME Programming 2nd place Winner

Concordia ENGWEEK, Montreal, QC

- Used stack data structure and programming knowledge 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.
- Solved steganography and cryptography CTFs throughout the competition.

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://sophiaclifton.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, Amouti's Journey (Fall 2023 Concordia Game Jam), With You Again (Ubisoft Creative Jam Fall 2023), The Walk (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.

INTERESTS

Passions

I have a strong interest in cybersecurity and look forward to participating in future CTFs.