

LUCAS GOURLIA

EXPERIENCE

CYBER SECURITY DETECTION ENGINEERING, STUDENT | BANK OF CANADA - OTTAWA, ON

JAN. 2026 - MAY 2026

- Analyzed **SIEM** alerts to tune them, reduce false positives and improve detection accuracy. Created new **detection rules**.
- Developed **detection logic** based on Cyber Threat Intelligence (CTI) or Red/Purple Team exercise findings

MOBILE DEVELOPER | LAVUE.CA - GATINEAU, QC

JAN. 2025 - JUN. 2025

- Developed an **iOS** App to perform eye measurements using **Swift** and **SwiftUI** via **Xcode**.

SOFTWARE DEVELOPER INTERNSHIP | LAVUE.CA - GATINEAU, QC

SEPT. 2024 - DEC. 2024

- 4 months internship focused on **Front-end** with Javascript for a new eye exam software, developing **reusable HTML CustomElements**.

TEACHER ASSISTANT | UNIVERSITÉ DU QUÉBEC EN OUTAOUAIS - GATINEAU, QC

SUMMER 2024

- Course CYB1003 : Introduction to **Cybersecurity**, with approximately **20 students**.
- Shared knowledge on **Linux file system**, and **networking** using tools like **Wireshark**, **Metasploit**, and **Nmap**, and configuring **IDS** and **IPS** using **Snort**.

TEAM MANAGER | ENTREPÔT DE LA LUNETTE - GATINEAU, QC

2021-2023

- Managed a team of **5 employees**, ensuring effective collaboration and productivity.

OPTICIAN | VARIOUS LOCATIONS - FRANCE / LUXEMBOURG / NEW-CALEDONIA / CANADA

2013-2025

- Offered personalized **glasses**/contact lenses **recommendation** for patients based on their **unique needs**.

HACKATHONS & COMPETITIONS

UCTF 2025 | GATINEAU, QC

NOVEMBER 2025

Captained a team of 4 in an offensive security CTF competition, placing **2nd** of 13 teams, personally ranked **3rd** of 40 participants.

Challenges I personally completed included SQL injection, Neo4J injection, reverse engineering (C), steganography, cryptography, social engineering etc.

CS GAMES 2024 | MONTREAL, QC

MARCH 2024

Represented Université du Québec en Outaouais in **Theoretical Computer Science** at CSGames 2024 in Montréal.

FIRST PRIZE UHACK 2023 | GATINEAU, QC

MARCH 2023

Led a team of 5 at uHack 2023 to develop a website prototype and **won first prize**. I also competed in the 2024 and 2025 edition

PROJECTS

TOP - RANKING APP | SWIFT

APP STORE RELEASED MARCH 2025

- Developed an **iOS App** in Swift enabling users to create, rate, and evaluate ranked lists of items.

CYBERSECURITY TOOLS | BASH

2023-2025

- Steganography, Quick IP reconnaissance, Mac information ripper.

CURRICULUM WEBSITE | REACT.JS

2024

- Built my own resume website

LOGIN SYSTEM | PHP, SQL

2024

- Applied **hashing** and **salting** techniques to secure passwords, and stored user data in a **MySQL database**.

FACIAL MEASUREMENT IOS APP (OPTICIAN TOOL) | SWIFT

2025

- Developed an iOS App to perform eye measurements using **Swift** and **SwiftUI** via **Xcode**.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE | CYBERSECURITY CONCENTRATION

UNIVERSITÉ DU QUÉBEC EN OUTAOUAIS - GATINEAU, QC

JANUARY 2023 - EXPECTED APRIL 2026

COMPTIA SECURITY+ CERTIFICATION

COMPTIA CERTIFICATION

SEPTEMBRE 2025

SKILLS

PROGRAMMING : Java, Javascript, Swift, C/C++, Python, KQL

CYBERSECURITY : Bash Scripting, SIEM (Elastic, Splunk), Networking, Nmap, Metasploit, Wireshark, MITRE ATT&CK, Microsoft Defender ...

WEB/OTHER : React, Node, Ajax, Express, php, HTML/CSS, MySQL, MS SQL Server, SQLite, Git, Docker ..