

# LUCAS GOURLIA

## EXPERIENCE

### SOFTWARE 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-PRESENT

- Offered personalized eyewear **recommendation** for patients based on their **unique needs**.

## 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**.

## HACKATHONS & COMPETITIONS

### FIRST PRIZE UHACK 2023 | GATINEAU, QC

MARCH 2023

Led a team of 5 at uHack 2023 to develop a website prototype for CREDDO, showcasing wind and solar energy potential, and **won first prize**.

I also competed in the 2024 and 2025 edition

### CS GAMES 2024 | MONTREAL, QC

MARCH 2024

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

### 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.

## EDUCATION

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE | CYBERSECURITY CONCENTRATION

JANUARY 2023 - EXPECTED APRIL 2026

UNIVERSITÉ DU QUÉBEC EN OUTAOUAIS - GATINEAU, QC

### COMPTIA SECURITY+ CERTIFICATION

SEPTEMBER 2025

COMPTIA CERTIFICATION

### [IN PROGRESS] SOC ANALYST CERTIFICATION

EXPECTED EARLY 2026

HACK THE BOX ACADEMY - HTB CERTIFIED JUNIOR CYBERSECURITY ASSOCIATE

## SKILLS

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

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

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