

LUCAS GOURLIA

EXPERIENCE

MOBILE DEVELOPER | LAVUE.CA - GATINEAU, QC

JAN. 2025 - PRESENT

- Developed iOS App to perform eye measurements with **LiDAR** 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.
- Developed **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**, **networking** principles, and **Kali Linux** usage.
- Guided students through the process of encrypting and decrypting data using various **cryptographic algorithms**, including Feistel, and RSA ciphers.
- Assisted students in using understanding network 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.
- Handled **budgeting responsibilities**, maintaining financial oversight and control.
- Implemented commercial **strategies** to drive business growth and **success**.
- Managed **multiple projects** simultaneously, ensuring deadlines.
- Oversaw **hiring processes**, selecting and onboarding new team members.

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

2013-PRESENT

- Offered personalized eyewear **recommandation** for patients based on their **unique needs**.
- Identified** and **solved** issues with eyewear and vision **problems**.
- Adjusted to different client needs and preferences, showcasing **adaptability**.
- Explained** complex optical concepts and product details to clients, often **simplifying the information** to ensure they understood their options.

PROJECTS

EMAIL SERVER | HTML, CSS, JAVASCRIPT

2023

- Built the **back-end** of the mail server using **Node.js** and **Express.js** to handle server-side logic and manage email operations.
- Implemented **AJAX** and **jQuery** for efficient asynchronous communication between the front-end and back-end.
- Delivered a **secure** mail **server** application that demonstrates proficiency in **full-stack** development.

LOGIN SYSTEM | PHP, SQL

2024

- Developed a comprehensive **login/logout system**, focusing on **secure user authentication** and **data protection**.
- Applied **hashing** and **saltng** techniques to secure passwords, and stored user data in a **MySQL database**.

RESUME WEBSITE | HTML, CSS, JAVASCRIPT, REACT

2024

- Utilized React to create a dynamic, **single-page application** showcasing my professional profile.
- Utilized **Node.js** tools such as npm for managing project dependencies.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

JANUARY 2023 - EXPECTED EARLY 2026

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AWARDS

UHACK '23 FIRST PRIZE | HACKATHON

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.

SKILLS

PROGRAMMING : Java, Javascript, Swift, C

WEB : React.js, Node.js, Ajax, Express.js, php, HTML/CSS

DATABASE : MySQL, MS SQL Server, SQLite

OTHER : Kali Linux, Bash, Git, Tracs, FreeBSD