

MAXIME EGOLF

456, rue Jacob-Nicol

Sherbrooke (Quebec) : J1J 4E5

Maxime.Egolf@USherbrooke.ca • 819-342-1494

EDUCATION

Bachelor of Computer Engineering (COOP)	2023-2027
Université de Sherbrooke (4.11/4.3)	
Studies of Bachelor of Biotechnology Engineering (COOP)	2022-2023
Université de Sherbrooke (3.57/4.3)	
College Diploma in Health Science	2020-2022
Cégep de Sherbrooke (R score : 29.7)	

WORK EXPERIENCE

Video Game Developer	2024
Triple Boris, Varennes	
<ul style="list-style-type: none">Implement systems based on Unity DOTS to improve performance (<i>data-oriented programming</i>)Design robust and high-performance multiplayer features using Netcode for EntitiesIntegrate AI navigation with NavMesh, integrating behaviors according to gameplay specificationsCollaborate with a multidisciplinary team of artists, level designers, and quality controllersParticipate in an Agile environment, managing the backlog, organizing sprints, and conducting sprint reviews with clients.	
Field Inspector	2023
DBO Expert, Sherbrooke	
<ul style="list-style-type: none">Conduct 1000+ annual inspections across the QuebecProvide clear responses to customer questions regarding their systemCarry out a septic tank R&D project focusing on the characterization of normal and problematic system	
Cook	2021-2022
Boefish, Sherbrooke	
<ul style="list-style-type: none">Prepare different recipes for meal serviceApply the rules of hygiene, health and safety in the kitchenUnderstand and apply WHMIS rule	

SKILLS

Languages :

- French (5/5)
- English(4/5)

Computer Skills:

- OS Windows (5/5)
- HTML (4/5)
- CSS (4/5)
- JavaScript (3/5)
- Python (4/5)
- C++ (4/5)
- C# (4/5)
- C (4/5)

Others:

- Unity – GameObject (3/5)
- Unity – Entity (4.5/5)
- Docker (4/5)
- SQL (4/5)
- QT (4/5)

SCHOOL PROJECTS

Development of a website

2024

- Develop a full-stack website using HTML, CSS, and JavaScript
- Containerize the website with Docker to ensure portability and isolation between services
- Integrate a PostgreSQL relational database for data management
- Implemented secure authentication using Keycloak for user and role management

Development of a video game

2023

- Design a PCB for a “sword”-shaped video game controller on Altium
- Program the accelerometer, joystick, buttons, bargraph and LCD
- Create C++ classes to create a completely new video game environment
- Create a GIU of the video game using QT

AWARDS AND RECOGNITION

Faculté de génie de l'Université de Sherbrooke

2023-2024

- Academic excellence 2023-2024

HOBBIES AND INTEREST

Sports : Ultimate frisbee | Soccer | Tennis

Others : Video Editing & Color Grading | Cinematography