

ROBIN LEMAN

☎ +1 (438) 523-4980 ✉ robin.leman@mail.mcgill.ca 🌐 robinlmn.github.io
🌐 github.com/RobinLmn in linkedin.com/in/robin-leman 🏠 Montreal, CA

EDUCATION

McGill University

Graduation in May 2022

B.S. in Physics and Computer Science
Overall GPA: 3.90/4.00

TECHNICAL SKILLS

Object Oriented Programming	C++, Java, Python, C#, C
Functional Programming	Javascript, OCaml, NodeJS
Operating Systems	Linux, Unix, MacOS, Windows OS
Tools & Softwares	Unity, Unreal Engine 5, Perforce, Git, HTML, CSS, Bash
Languages	French, English (Bilingual)

WORK EXPERIENCE

The Coalition - Microsoft Xbox Studios

May 2021 - September 2021

Software Engineer Intern

Vancouver, Canada

- Working on tools and optimizations for Unreal Engine 5 within the Core Tech Engine team.

Ubisoft

June 2020 - September 2020

Gameplay Programmer

Montreal, Canada

- Designed a buoyancy simulation algorithm in C++ and tripled its optimization.
- Implemented visualization tools to make testing and debugging iteration 10 times faster.

PERSONAL PROJECTS

Achilles 🌐 - 3D Physics Engine - C++

Designed a Physics Engine in an Entity-Component-System architecture. Implemented translational and rotational dynamics, collision detection and response, and softbody simulation for ropes and cloth.

Meme Popularity Predictor 🌐 - Machine Learning - Python, Tensorflow

Designed a Convolutional Neural Network model to predict the popularity of a meme. Part of a 10 weeks bootcamp; implemented models like the Naive bayes, PCA or SVM models.

GetOut 🌐 - Ubisoft Competition - Unity3D Video Game - C#

Published a Puzzle 3D platformer video game in 8 weeks. Designed and optimized gameplay, 3Cs, Artificial Intelligence (State Machine) and networking for COOP and multiplayer.

LEADERSHIP AND ACTIVITIES

GameDev McGill 🌐

President (2021-2022), VP Internal (2020-2021), Member (2019-2020)

Leading a team of 10 executive members to organize events for more than a 100 members. Organizing McGame Jam, a 48h hackathon uniting 150+ hackers.

Worldwide Funds For Nature (WWF) McGill

VP Communications (2019-2020)

Organized and promoted informational and fundraising events for the association.