ROBIN LEMAN

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⌥ 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: 3.89/4.0.

TECHNICAL SKILLS

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

WORK EXPERIENCE

Ubisoft   June 2020 - September 2020
Gameplay and Physics Programmer   *Montreal, Canada*

· Designed a fluid simulation algorithm in C++ and **tripled** its optimization.
· Implemented visualization tools to make testing and debugging iteration **10 times** faster.
· Optimized trees and propagation graph traversals by **70%** .

PERSONAL PROJECTS

GetOut 🔗 - Ubisoft Competition - Unity3D Video Game - C#
Published a Puzzle 3D platformer game **in 8 weeks**. Designed and optimized gameplay, 3Cs, Artificial Intelligence (State Machine) and networking for multiplayer and COOP.

Recycle 🔗 - iOS App - Swift - Hackathon
Developed and designed an application to compute the recycling capability of an article from a database of **1.2M+ elements.**. Optimized Computer Vision with the Firebase API.

Cryptocurrencies Online Calculator 🔗 - JavaScript Web App - Hackathon
Won Cryptocurrency Prize. Prototyped a Web App to compute with **95% accuracy** the expected mined amount of cryptocurrencies from a hash rate power.

Cybersecurity Cracking Challenge🔗 - Python
Decrypted a MD5 hashed password in **less than 2s** .

LEADERSHIP AND ACTIVITIES

GameDev McGill 🔗   2019 - Present
VP Internal

· Organized events for **90+** members: Industry talks, game development hackathons and social events.
· Organizing McGame Jam: a 48h hackathon uniting **150+ hackers**.

Worldwide Funds for Nature (WWF) McGill   2019 - 2020
VP Communications

· Organized fundraisings and events to raise awareness.