YAZAN MASOUD

🌐 Yazan.ca   in/yaxan   Github.com/yaxan   ✉ ymasoud@uwaterloo.ca   📞 (289) 230-4946

EXPERIENCE

Web Developer | Halton District School Board

Sept 2019 - Feb 2020

Co-developed a **web application** to audit third-party application use of staff G-Suite accounts to ensure compliance with software regulations

Programmed a **Node.js** application leveraging **Google's Directory API** and transformed it to a production-ready web application using **C#**, **HTML**, **CSS**, and **SQL**

Deployed by the Halton District School Board to monitor 6246 staff members replacing the manual report system

Programming Teacher | Code Ninjas

Nov 2019 - Sept 2020

Taught students ages 7-14 **JavaScript**, **Unity 3D**, and **LUA** through game development

Designed an online **ROBLOX LUA** course for **100+ students** across Ontario to enroll in and follow along through Zoom during lockdown

PROJECTS

Beat Slasher Mobile Game | Personal Project

Dec 2020 - Current

Developing a mobile rhythm game for **Android** and **IOS** using **Unity 2D** with **C#** to deploy to the app store
Co-designing all original graphics, sprites, scripts and prefabs

Social Distance Simulator | Hack The North 2020++

Jan 2021

Created a computer game using Ubisoft's **SFML-based API HackersNest** in **C++**

Worked on collision framework/detection, NPCs, map creation, and consumable item interactions

Augmented Reality Gallery Walk | StarterHacks 2019

Jan 2019

Prototyped an **Android app** for ArtsBuild Ontario to allow for an interactive art gallery walk using **SnapChat's SnapKit API**

Programmed object identification using **Python OpenCV library PyImageSearch** to scan and recognize photographs of artwork

Awarded Best Design and Best Use of SnapKit API out of 1000+ hackers

DEVELOPMENT

C#, C++, Python
JavaScript, SQL HTML, CSS

TOOLKIT

NumPy, pandas, MatplotLib, Git
SolidWorks, Unity, Adobe CC

EDUCATION

University of Waterloo
2020-2025

BASc. Biomedical Engineering

GPA: 3.9/4.0

RELEVANT COURSEWORK:
Data Structures & Algorithms, Digital Computation, Computer Aided Design

AWARDS

Governor General's Academic Medal
June 2020

Ontario Principal's Council Student Leadership Award
June 2020

StarterHacks Best Design Award
Jan 2019

MLH Best Use of SnapKit API
Jan 2019