YAZAN MASOUD

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EXPERIENCE

Software Engineer | Cox Automotive Inc.

May 2021 - Sept 2021

Developed user stories in an **agile** environment using **ASP.NET Core** and **C#** for car dealership applications

Implemented front-end UI updates with **Angular** to modernize the DealerTrack platform and ensure AODA compliance

Increased stakeholder satisfaction by **40%** from UI modernization

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

Designed and programmed a web application leveraging **Google's Directory API** using **C#**, **HTML**, **CSS**, and **SQL**

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

PROJECTS

NARUTO HAND SEAL CLASSIFIER | Personal Project

Oct 2021 - Present

Designing a machine utilizing image detection with **TensorFlow** to classify hand gestures

Leveraging **SqueezeNet** and **MobileNetV2** for transfer learning

Built dataset of 2000+ images for 12 classes with **OpenCV** in **C++**

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, Angular

TOOLKIT

Git, OpenCV, TensorFlow, Keras, 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