

YAZAN MASOUD

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SKILLS

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

TOOLKIT: OpenCV, Git, SolidWorks, Unity, Adobe CC, Jenkins, TensorFlow, Keras

WORK EXPERIENCE

SOFTWARE DEVELOPER

Thomson Reuters

Toronto, ON

Jan 2022 – Apr 2022

- Researched and prototyped OpenTelemetry integration for Legal Tracker APIs to generate and collect distributed traces for application performance and behavior analysis
- Identified and fixed vulnerabilities in .NET Core codebase using Veracode and SonarQube to meet the OWASP 2021 Standard
- Wrote unit tests in C# to increase Legal Tracker test coverage for legacy code by 8%

SOFTWARE ENGINEER

Cox Automotive Inc.

Mississauga, ON

May 2021 – Sept 2021

- Developed user stories in agile environment with ASP.NET Core and C# for car dealership applications
- Implemented UI updates using Angular to modernize the DealerTrack platform and ensure AODA compliance

WEB DEVELOPER

Halton District School Board

Burlington, ON

Sept 2019 – Feb 2020

- Developed web application to audit third-party application use of staff G-Suite accounts
- 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 6250+ staff replacing the manual report system

PROJECTS

NARUTO HAND SIGN CLASSIFIER

Personal Project

Mar 2022 – June 2022

- Designed live camera image classifier for hand gestures using transfer learning
- Trained 12-class model comparing weights from MobileNetV2, ResNet50, VGG16, and InceptionV3
- Leveraged OpenCV in Python to curate dataset, track hand movement, and make live predictions
- Achieved 93.60% test accuracy and 83.33% live demo accuracy with VGG16 weights

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

EDUCATION

UNIVERSITY OF WATERLOO

BASc. Biomedical Engineering

Waterloo, ON

Sept 2020 – Apr 2025

GPA: 87.52/100

Relevant Coursework: Data Structures and Algorithms (C++) | Linear Systems and Signals | Circuits, Instrumentation, and Measurements | Computer Aided-Design

AWARDS

Governor General's Bronze Medal

June 2020

StarterHacks Best Design Award

Jan 2019

Major League Hacking Best Use of SnapKit API

Jan 2019