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 *Toronto, ON*
Thomson Reuters *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 *Mississauga, ON*
Cox Automotive Inc. *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 *Burlington, ON*
Halton District School Board *Sept 2019 – Feb 2020*

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

PROJECTS

NARUTO HAND SIGN CLASSIFIER *Mar 2022 – June 2022*
Personal Project

- Designed live camera image classifier for hand gestures using transfer learning
- Trained model on 12-class dataset using 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% accuracy with live demo

SOCIAL DISTANCE SIMULATOR *Jan 2021*
Hack the North 2020++

- 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 *Waterloo, ON*
BASc. Biomedical Engineering *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

StarterHacks Best Design Award *Jan 2019*
Major League Hacking Best Use of SnapKit API *Jan 2019*