Karim Jaouhar

+1 437-961-6674 | Etobicoke, Ontario

karimjawhar5@gmail.com | @karimjaouhar | github.com | karimjaouhar.com

Summary

BSc. Computer Science Graduate (Aug 2023) with a strong foundation in data structures and algorithms, software development principles, and logical problem-solving. Passionate about leveraging my technical skills to contribute to innovative projects and impactful software solutions.

Education

York University   Toronto, Ontario
Bachelor of Science in Computer Science – 3.4/4 GPA   *September 2020 – Aug 2023*

Relevant Courses

Cyber Ethics & Security, Software Design, Data Science, Algorithm Design & Analysis, Embedded Systems, Databases, and Artificial Intelligence.

Technical Skills

Languages: Java, Python, C, Javascript, C++, MySQL, Prolog

Software Development: React, Next JS, Node JS, Object-Oriented, Agile (SCRUM), TDD, SpotBugs, QA Reporting, Git, MongoDB, Vercel, MERN Stack

Technologies: Embedded Systems, Arduino, Machine Learning, Python Data Analysis & Visualization, Logic Programs, Computer Networks, Encryption, SSL, HTTP Protocols, KMS

Tools & Utilities: Microsoft Office, Microsoft Teams, Git, VS Code, Eclipse, Mac, Windows, Linux, VM ware, Codeworior, Vercel, AWS.

Technical Projects

Key Managment System (KMS) | *Linux (Ubuntu), VM, Encryption, Embedded System, Networks*
- Key Management System (KMS) using PyKMIP library, Deployed on Linux (Ubuntu) VMs shared network.
- Transferred onto Beagle Bone AI Board with GPIO Security Trigger

Smart Fridge Inventory Software | *Java, Object-Oriented, SQL DB, GUI, Agile,*
- An Object-oriented Java software application group project, Assessed a client and QA team.
- The project was developed following the Agile (SCRUM) in 3 Iterations.
- utilized TDD, Solid design principles, design patterns, Static Analysis (SPOTBUGS), and code refactoring based on our QA team's reports.

LSTM Boxing Classifier | *Machine Learning, Python, Data pre-Processing & Visualization*
- Using an LSTM model to classify different boxing punches using accelerometers data collected from an ESP32.
- currently researching its application in interactive games, Health and Fitness, and Rehabilitation.

Experience

Web Designer & Developer   Dec 2021 - April 2023
Freelance Work   *Oakville, Ontario*
- Designed and Developed Websites for a diverse set of Canadian businesses.
- Responsible for delivering critical business projects on time, Reporting Performance Data to business leaders and shareholders, installing and setting up core business software. And organizing staff training.

Web App Developer   Dec 2021 - Jan 2022
SKAZ Garage Doors Inc.   *London, Ontario*
- Designed and developed a web application for SKAZ Inc. that enables garage door customization, resulting in significant improvements to their customer experience and reducing the number of customer service calls.