

Malik Zurkiyeh

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Education

Algonquin College of Applied Arts and Technologies

Ottawa, Ontario

College Diploma in Computer Engineering Technology

Relevant Coursework: Object-Oriented Programming, Data Structures, Real-Time Programming

Projects

Chatbot

Remote

Open-Source Contributor

January 2024 – Present

- Developed the base for a Python-based Artificial Intelligence ChatGPT-like program, that is powered by the OpenAI and LangChain frameworks
- Assembled a prompt for the chatbot to follow that ensures the answers the chatbot generates is relevant to the topic it specializes in while ensuring accuracy and citing sources for the user to view
- Implemented Chroma embeddings that the chatbot uses to store trained data for later use and memory for the bot to remember previously answered questions

Login Page

Remote

Developer

- Designed a Python-based RESTful API that utilizes the Flask framework and MariaDB SQL to simulate a login page
- Integrated custom authentications for passwords, names, emails and duplicate accounts through the use of MariaDB methods and Regular Expressions
- Implemented sessions to simulate logging in and out of the website
- Integrated Docker for compatibility with all hardware and OS's
- Adjusted the program's Docker files to adhere to Docker's best practices

Skills & Interests

Technical: HTML/CSS, Python, Flask, Java, Arduino, GitHub, Windows Subsystem for Linux, Docker, MySQL

Language: Fluent Arabic and Conversational French

Interests: Reading Comic Books, Cooking, Learning languages and Programming

Side Projects: Arduino Pong

Experience

Real Canadian Superstore

Customer Service Associate

Ottawa, Ontario

August 2020 – Present

- Provided efficient support to customers daily, ensuring a large increase in sales, excellent customer service and less service wait times
- Operated computers that utilize internal databases to manage customer orders and transactions