

MALIK HERON

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[GitHub](#)

Skills

- CSS | HTML | Java | Kotlin | NodeJS | Prolog | Python | Sass | SQL | Typescript
- Bootstrap | Jetpack Compose | React
- Figma | Firebase | Git | GitHub | Google Cloud Platform

Experience

Software Engineer

Best TV Communications

Jamaica

08/2022 - 12/2022

- Led the design and development of an app which aimed to simplify payments and improve client communication. It includes an overview of services, a bill payment system, data usage visualization, a support chat, and an outage map, all designed to enhance user experience. Technologies used: **Firebase, Jetpack Compose and Kotlin**.

Education

Bachelor of Science

University of Technology

Kingston, Jamaica

08/2020 - Present

- Major in Computer Science

Projects

Academic Advisor Chatbot

<https://utechchatbot.web.app/>

- This collaborative effort resulted in a virtual academic advisor for computing students. It uses the **GPT4 model** via the **OpenAI API** to provide academic advice, share policy information, and updates on important deadlines. Written in **JavaScript** and **TypeScript**.

Academic Probation System

- In a collaborative project for an Artificial Intelligence course, we developed an academic probation system using **Prolog** and **Python**, for the University of Technology, Jamaica. The system calculates students' cumulative GPA, issues alerts to various university members, and manages the database.

Honeypot

<https://bit.ly/3utZX7V>

- Implemented a honeypot system using **Python**, with packet capture, intrusion detection, and alerting.

Priority Non-Preemptive Scheduler

<https://bit.ly/3HSGrVM>

- A project to simulate a small process management system using **Java**. It uses a priority non-preemptive scheduling scheme when executing processes on a dual-core (2 CPU's) processor system.

Simulated Vending Machine

<https://bit.ly/483uA1O>

- A project that uses a multi-tape Turing machine and register machines to operate a vending machine, written in **Kotlin**.

Six Degrees of Separation

<https://bit.ly/4brhBKf>

- Implemented an algorithm in **Python**, that finds the degrees of separation between two people and recommend to each person's close contact, all the activities that the person is engaged in.

Extra-Curricular Activities

- FutureDevs Club

09/2023 – Present

- Google Student Developer Club

05/2022 – 09/2023

Awards & Certifications

- Dean's List Award
- Dean's List Award

2021/2022 Academic Year

2020/2021 Academic Year