BRITTANIE MORGAN

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EDUCATION AND INVOLVEMENT

Bachelor of Science in Software Engineering   September 2021 – August 2024

The University of the West Indies   **GPA: 4.01**

Member of UWI Mona Computing Society   September 2021 – May 2024

External Affairs Chairperson for Block J   September 2022 – May 2023

EXPERIENCE

Software Engineering Intern   June 2023 - August 2023

Port Authority of Jamaica

- Designed a web-based system that allowed the user to add, update and delete data. I also designed it to generate reports and automatically send emails to relevant personnel when necessary.
- Installed and configured software, firewall and VPN on network devices.
- Technologies used: JavaScript, PHP, SQL, HTML and CSS (Bootstrap).

PROJECTS

Sales Amigo (Retail Management System)   May 2024 - Present

- Developed a desktop application that had point of sale functionalities alongside inventory management, promotions and customer relationship management, report generation, user management and authentication.
- Integrated a content-based recommendation system and Java Mail API was used to send customers product recommendations.
- Technologies used: Flask, Java, Java Mail API, Swing, SQL, Scikit Learn
- *Link: https://github.com/brittaniemorgan/salesamigo.git*

Photogram (Social Media Website)   April - May 2024

- Developed a dynamic website that allows users to join, login, follow each other and create and like posts. JSON Web Tokens were used for user authentication.
- Technologies used: Flask, Vue.js, PostgreSQL (ORM), JavaScript, HTML and CSS (Bootstrap).
- *Link: https://github.com/brittaniemorgan/Social-Media-Website.git*

Heart Disease Prediction Model   March 2024

- Developed a heart disease prediction model using demographic and health data. Data was preprocessed by removing missing values, removing irrelevant columns and encoding categorical variables. I conducted exploratory analysis and hypothesis testing to find and validate any relationship between variables. The Support Vector Machine model used had an accuracy of 84.8%.
- Technologies used: machine learning, pandas, numpy, scikit learn, matplotlib
- *Link: https://github.com/brittaniemorgan/heart-disease-model.git*

Boardwalk Café Ordering System   November 2022 – February 2023

- Created a dynamic website that allows customers to place orders based on the menu provided by the restaurant. It allows authorized personnel to modify the menu, monitor pending orders and deliveries, and leverage performance statistics for enhanced operational management.
- Technologies used: PHP, SQL, JavaScript, HTML and CSS.
- *Link: https://github.com/brittaniemorgan/Boardwalk-Cafe-Ordering-System-v2.git*

SKILLS AND INTEREST

Skills: Python, Java, JavaScript, SQL, Flask, Vue.js, Angular.js, Unit Testing, Web scraping, RESTful APIs, Network Analysis, shell scripting

Interests: Volunteering, Data Analytics, Software Development, Machine Learning

Languages: English(native), Spanish (conversational)