Brittanie Morgan
Software Developer and Data Analyst

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Mona, Kingston

Results-driven recent graduate aspiring to work in web development or data analytics. I have worked on numerous projects in both fields and have professional experience in web development. Furthermore, I am a very adaptable and self-motivated individual who works well in teams and on my own, and I am always exploring new technologies.

Professional Experience

Web Developer Intern

Mona Information and Technology Services, Kingston June 2024 – August 2024
- I developed a web application to allow students to register for courses online. This website also allows users to sign up and save their application progress.
- Technologies and skills used: Angular.js, Express.js, Ant-Design, JavaScript, HTML, Bitbucket

Information Systems Intern

Port Authority of Jamaica, Kingston June 2023 - August 2023
- I implemented the seamless management of over 100,000 records across two locations by designing 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.
- I installed and configured software, firewall and VPN on network devices.
- Business process analysis
- Technologies and skills used: JavaScript, PHP, SQL, HTML, CSS (Bootstrap), Networking, Requirements Engineering

Innovation Intern

National Commercial Bank, Kingston (Remote) July 2022 - August 2022
- Carried out SWOT and stakeholder analysis, problem/solution presentations and market research. Customer feedback was used to improve the next iteration of the product.
- Created and conducted usability testing of mock-ups of innovative customer service solutions customers using ADOBE XD over a three-week period. The final product was awarded third place.

Education & Achievements

Bachelor of Science in Software Engineering

The University of the West Indies, Kingston September 2021 – August 2024

- GPA: 4.03
- Dean's List (2021/22 and 2023/24), Ezra Maguisa Award(2021/22) and Academic Commendatio (2022).

Skills

- Project Management
- Agile Methodologies
- Detail-Oriented
- SWOT Analysis
- Team Leadership
- Communication
- Problem-Solving

Software Skills and Tools

- Flask
- Vue.js
- Angular.js
- Express.js
- SQL

- Java
- Python
- JavaScript
- CSS
- PHP

- Unit Testing
- Web scraping
- RESTful APIs
- Network Analysis
- Machine Learning

- GitHub
- NetBeans
- VS Code
- Jupyter Notebook
- AdobeXD

Projects

Event Connect | [LINK](#)   August 2024 - Present

- Developing a web application that will allow users to create, view and register for events. It will also send email reminders and suggestions for events.
- Event attendees will be able to place reviews and event creators will be able to view graphical summaries of the reviews.
- Technologies used: Vue, Vuex, Flask, PostgreSQL,

Product Recommendation System | [LINK](#)   July 2024

- Developed a heart disease prediction model using demographic and health data. Data was pre-processed 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

Sales Amigo (Retail Management System) | [LINK](#)   May 2024 – July 2024

- 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

Heart Disease Prediction Model | [LINK](#)   March 2024

- Developed a heart disease prediction model using demographic and health data. Data was pre-processed 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

Boardwalk Café Ordering System | [LINK](#)   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.

Extracurricular Activities

Member
UWI Mona Computing Society   September 2021 – May 2024

External Affairs Chairperson
George Alleyne Hall Block J Subcommittee   September 2022 – May 2023