

## Brittanie Morgan

St. Andrew, Jamaica

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### Objective

Results-driven Software Engineering graduate with hands-on experience in developing full-stack web and desktop applications, as well as leveraging data analytics to drive insights and improvements. Skilled in end-to-end software development, REST APIs, database management, and delivering efficient solutions to meet business needs. Equipped with strong problem-solving abilities, quick adaptability to new technologies, and a collaborative mindset from professional internships and academic projects.

### Education

#### The University of the West Indies

BSc. Software Engineering (First Class Honours)

**GPA:** 4.03/4.30

**Relevant Coursework:** Dynamic Web Development, Object-Oriented Design and Implementation, Software Engineering, Software Testing, Database Management Systems, Data Structures and Algorithms, Artificial Intelligence, Information Security and Assurance

**Awards:** Dean's List (2021/22 and 2023/24), Ezra Maguisa Award for the Highest GPA in Year 2 of Software Engineering (2021/22) and Academic Commendation (2022).

St. Andrew, Jamaica

Aug 2021 - September 2024

### Skills

**Languages:** Python, Java, JavaScript, SQL, HTML, CSS, XML

**Frameworks & Libraries:** Angular.js, Vue.js, Express.js, Flask, Jasmine.js, jQuery, Bootstrap, RxJS, Pandas, Numpy, Matplotlib

**Tools:** Git, VSCode, Netbeans, Microsoft SQL Server, MySQL Server, PostgreSQL, Cypress, PowerBI

**Technical Skills:** Unit Testing, Performance Testing, UI/UX Design, Responsive Web Design, Web Scraping, Version Control, REST APIs, Software Design, Database Management, Machine Learning

**Soft Skills:** Technical Documentation, Communication, Team Collaboration, Problem-Solving

### Experience

#### Mona Information and Technology Services

##### Web Developer Intern

St. Andrew, Jamaica

June 2024 – September 2024

- Played a key role in the development of a web application designed to streamline the student course registration process, including advanced features for saving application progress and managing user accounts.
- Collaborated with supervisor to gather requirements, translate business needs into technical specifications, and ensure seamless project delivery.
- Technologies and skills: Angular.js, Express.js, RxJs, Ant-Design, Parse Platform, JavaScript, Typescript, HTML, SCSS, REST API, API Testing, Database Design and Technical Documentation.

#### Port Authority of Jamaica

##### Software Engineering Intern

Kingston, Jamaica

June 2023 - August 2023

- Partnered with another intern to develop a web application for managing over 100,000 records, significantly enhancing data management efficiency.
- Contributed to designing and implementing functionalities for CRUD operations for data management, automated reporting, and email notifications.
- Technologies and skills: JavaScript, PHP, SQL, HTML, CSS (Bootstrap), Requirements Gathering and Microsoft SQL Server.

**National Commercial Bank  
Innovation Intern**

Kingston, Jamaica  
July 2022 - August 2022

- Collaborated with a cross-location team to conduct SWOT and stakeholder analyses, create problem/solution presentations, and perform market research to drive innovative customer service solutions.
- Developed mock-ups of customer service solutions using Adobe XD and conducted usability testing for iterative improvement, leading to a third-place award out of five teams for the final product in an innovation competition.
- Technologies and skills: Adobe XD, Usability Testing, Analytical and Creative Thinking, SWOT Analysis, UI/UX Design and Problem Solving.

**Projects**

**Event Connect | [LINK](#)**

July 2024 - Present

- Developed a comprehensive web application for event management, including ticketing, event updates, automated email notifications and review features, along with QR code generation and scanning for tickets.
- Implemented reporting and analytics to enable organizers to assess event performance and integrated reCAPTCHA and JSON Web Token (JWT) for secure user authentication.
- Conducted functional testing with Cypress utilizing white box testing techniques.
- Technologies and skills: Cypress, Vue.js, Vuex, Express.js, PostgreSQL, Sequelize, JSON Web Token, REST API and JavaScript.

**Product Recommendation System | [LINK](#)**

July 2024

- Developed content-based product recommendation system for fashion retail products. Utilized cosine similarity matrix to rank similarities between products based on features such as colour, product type and description.
- Technologies and skills: Natural language processing, Machine learning, Pandas, Scikit learn and Matplotlib

**Sales Amigo | [LINK](#)**

May 2024 - July 2024

- Developed a desktop application for point-of-sale functionality, integrating inventory management, promotions, customer relationship management, and report generation. Incorporated a content-based recommendation system and Java Mail API for customer engagement.
- Technologies and skills: Flask, Java, Java Mail API, Swing, SQL, REST API and Scikit Learn.

**Photogram | [LINK](#)**

April 2024 - May 2024

- Contributed to the development of a dynamic social media platform enabling user registration, post creation, and post interactions (likes). Implemented the database, authentication and fixed frontend bugs.
- Technologies and skills: Flask, Vue.js, PostgreSQL, SQLAlchemy, JavaScript, JSON Web Token, REST API, HTML and CSS.

**Calculator App (With Tests) | [LINK](#)**

February 2024 – March 2024

- Developed a web-based calculator with basic functionality and design and conducted unit tests using Jasmine.js.
- Technologies and skills: JavaScript, HTML, CSS and Jasmine.js.

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

November 2022 – February 2023

- Collaborated with a team of four to develop a dynamic website that allows customers to seamlessly place and track orders online. It allows authorized personnel to modify the menu, monitor pending orders and deliveries, and leverage performance statistics for enhanced operational management.
- Technologies and skills: PHP, SQL, JavaScript, HTML and CSS