

MARY BAUTA

✉ marybauta5@gmail.com

in [linkedin.com/in/mary-bauta-a76753292/](https://www.linkedin.com/in/mary-bauta-a76753292/)

github.com/marebae

Education

University of Central Florida

Bachelor of Science in Information Technology GPA: 3.5

Jan 2024 – Dec 2026

Orlando, Florida

Projects

Computer Vision Application | TensorFlow, Tesseract.js, React, CSS, Javascript

Oct 2024

- Contributed to front-end development of a mobile application aimed at assisting visually impaired individuals through real-time environmental feedback.
- Built accessible, intuitive UI components with React, focusing on usability for screen readers and voice navigation systems.
- Integrated OCR (Tesseract.js) and object detection models (TensorFlow) to enable text recognition and obstacle alerts.
- Participated in testing and debugging to ensure consistent performance, accessibility, and cross-device compatibility.
- Collaborated with a multidisciplinary team for a hackathon to enhance user experience and ensure practical application in real-world scenarios.

AI QR Code Generator | React (TypeScript), Tailwind CSS, MongoDB, Express, Node.js, OpenAI API

April 2025

- Led the design and development of an AI-powered QR code generator inspired by Canva, featuring custom QR styling, image generation, and a collaborative whiteboard drawing tool.
- Designed and implemented the entire front-end using React and Tailwind CSS, including dynamic UI components, custom shape and color selectors, and image preview modules.
- Integrated OpenAI's API to allow users to generate aesthetic images via text prompts, with options to download and embed them in QR codes.
- Implemented user authentication and management with Clerk, ensuring secure and personalized user experiences.
- Collaborated cross-functionally with backend developers, contributing to Express routes for image saving and MongoDB schemas.
- Conducted comprehensive front-end testing to ensure component responsiveness, feature stability, and a seamless user experience across devices.

Travel Planner Website | HTML, JavaScript, CSS

April 2025

- Collaborated with a team to develop a dynamic travel planner site that filters destinations based on duration, budget, and solo/group travel preferences.
- Designed and implemented UI components that guide users through customized destination suggestions.
- Emphasized responsiveness, accessibility, and engaging visual design to ensure wide usability.
- Hosted on GitHub Pages with integrated Git workflows for source control and deployment.

SHPE UCF Website | React (TypeScript), Tailwind CSS, Next.js, tRPC, Firebase, Drizzle ORM

May – Aug 2025

- Joined SHPE UCF's development team as a frontend developer; built and deployed key pages including the Sponsor, Shop, and Alumni pages.
- Collaborated and communicated with the UI/UX designer to translate Canva designs into responsive, pixel-perfect web pages.
- Integrated Square Payment API for the first time, implementing secure pop-up payments and connecting frontend flows to backend services; strengthened skills in routing and API integration.
- Worked with teammates to test and refine frontend and backend features, ensuring smooth functionality and a user-friendly experience.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, React, Next.js

Developer Tools: VS Code

Technologies/Frameworks: GitHub, Git

Languages

- English - Native
- Spanish - Limited