

BRYAN TAYLAN

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EDUCATION

University of Central Florida (UCF)

Bachelor of Science in Computer Engineering — GPA: 3.82 / 4.0

Orlando, FL

Expected Graduation: May 2027

Palm Beach State College

Associates in Arts

Lake Worth, FL

December 2024

- Member, Phi Theta Kappa Honor Society

EXPERIENCE

Software Developer Intern

May 2025 – August 2025

NextGen Software

Boca Raton, FL

- Developed 2 React Native components for HeyNay app's admin interface, focusing on property management dashboard functionality that streamlined HOA administrative tasks and improved workflow efficiency by **15%**.
- Implemented responsive UI elements and interactive features within the React Native components, ensuring cross-platform compatibility and optimal performance on both iOS and Android devices.
- Collaborated with design and development teams on component styling, layout architecture, and user experience optimization to maintain consistent visual standards across the admin dashboard interface.
- Conducted thorough testing and debugging of UI components, identifying and resolving interface inconsistencies that resulted in a **20%** reduction in user-reported usability issues.

Software Developer Intern

June 2023 – August 2023

NextGen Software

Boca Raton, FL

- Helped modernize the UI of Tier 25 app (**5,000+ downloads**) using React, improving layout consistency.
- Improved SEO and responsiveness of NextGen homepage by optimizing HTML, CSS, and JavaScript.
- Removed redundant code and reused components to simplify layouts and reduce page size.
- Used Chrome DevTools and manual testing to troubleshoot styling and performance issues.

President, Math Club

May 2024 – July 2024

Palm Beach State College

Lake Worth, FL

- Led weekly problem-solving workshops and competitions, increasing active club membership by **25%**.
- Designed and implemented collaborative learning sessions, improving engagement and retention in math topics.
- Managed club budget and event planning for end-of-semester math competition, engaging **20+** participants from across campus departments.

PROJECTS

Shoperize | Remix, React, Prisma, Python, OpenAI API, Flask, Shopify Admin API

July 2025 - Present

- Building AI-powered Shopify app with Flask backend and Remix frontend, integrating GPT-4 Vision and DALL-E 3 to automate product background replacement, reducing editing time from **hours** to **minutes**.
- Developing admin dashboard with React components for product selection and real-time image processing, supporting 5+ preset backgrounds and custom prompt generation.

Venue View | React, Flask, SQLite, TypeScript, Tailwind CSS, Ticketmaster API

June 2025 - Present

- Building full-stack concert preview app with Ticketmaster data and interactive seat maps using React.
- Engineering user authentication system in Flask with hashed passwords, session storage, and SQLite integration.
- Integrating Ticketmaster API and implementing custom routing logic to dynamically preview event-specific seating and fan media.

Gym Tracker App | React.js, Node.js, JavaScript

June 2023

- Built user authentication and session management with Node.js backend routes.
- Developed workout tracking features allowing users to log exercises, sets, and reps with persistent data storage.

Earthquake Simulator | C, Algorithms, Geometry

April 2025

- Simulated 2D seismic wave propagation using Bresenham's algorithm and geometric formulas.
- Applied algorithmic techniques to model wave paths and interactions efficiently.
- Improved visualization accuracy through iterative refinement of geometric calculations.

TECHNICAL SKILLS

Languages: Python, JavaScript, C, HTML, CSS

Libraries/Frameworks: React, React Native, Nest.js, Next.js, Flask, SQLAlchemy, SQLite, Node.js, Pandas

Tools/Platforms: AWS, REST APIs, Git, Postman, API Integration, Github, VSCode, PyCharm