

# 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

NextGen Software

May 2025 – August 2025

Boca Raton, FL

- Built 2 **JavaScript/React Native** components for HeyNay app's admin dashboard, improving HOA workflow efficiency by **15%**.
- Developed responsive, cross-platform UI features for iOS and Android with consistent styling and performance.
- Collaborated with designers and developers to refine layouts and enhance user experience.
- Tested and debugged UI components, reducing user-reported issues by **20%**; deployed into **production**.

### Software Developer Intern

NextGen Software

June 2023 – August 2023

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.

## LEADERSHIP EXPERIENCE

### President, Math Club

Palm Beach State College

May 2024 – July 2024

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