Michael Strickland

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EDUCATION

Bachelor of Science in Computer Science, University of South Florida, Tampa, FL Expected May 2026
Major GPA: 3.91/4.00
Key Specialized Courses: Program Design, Computer Organization, Data Structures and Algorithms, Computer Logic and Design, Analysis of Algorithms, Mobile Biometrics

SKILLS

Platforms/Operating Systems:	iOS, Android, Windows 10/11
Languages:	JavaScript, Python, HTML, CSS, TypeScript, Java, C, C++, PostgreSQL
Technologies/Environments:	React Native, React.js, Node.js, Express.js, Svelte, Bulma, Microsoft Visual Studio, GitLab, GitHub, Microsoft Azure, Supabase, Google Firebase

RELEVANT EXPERIENCE

Full-Stack Engineer, Covalent Enterprises, LLC Mar 2024 – Present

- Utilizing expertise in PostgreSQL, Supabase, JavaScript, and TypeScript to design and implement a secure backend architecture for storing and managing student data.
- Collaborating with a team of 4 developers to build a mobile application for faculty and parents of a Florida elementary school, enhancing communication and engagement.
- Leading the development of a web application for reporting roof quality, aimed at serving a projected user base of 1,000 homeowners.

Vice President, AI Society at USF Aug 2024 – Present

- Presided over the organization in the President's absence, ensuring smooth operations and leadership continuity.
- Managed internal communications for over 150 members, keeping all members informed of events, meetings, and key updates.
- Led and collaborated with 27 officers, effectively delegating responsibilities and ensuring all efforts were aligned with the organization's strategic goals and objectives.

KEY PROJECTS

Board Game Identifier, Sole Developer Jan 2024 – Feb 2024

- Designed sophisticated algorithms using Microsoft Azure, Node.js, and the boardgamegeek.com API to identify board games with 96% accuracy.
- Leveraged React Native's cross-platform capabilities to develop an intuitive user interface for improved user accessibility.
- Integrated Microsoft Azure's optical character recognition and object detection AI models to efficiently identify up to 5 board games within a single image.

AWARDS AND AFFILIATIONS

- USF Dean’s List Aug 2023 - Present
- Tau Sigma National Honor Society Feb 2024 – Present
- 1st Place, Personal Project Competition, USF Engineering Council, Tampa, FL Feb 2024