

# Jaedon Taylor

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## EDUCATION

### University of Florida, College of Engineering

Gainesville, FL

Bachelor of Science in Computer Science, Minor in Economics, **GPA: 3.96**

Expected Graduation: May 2026

**Relevant Courses:** Data Structures and Algorithms, Operating Systems, Software Engineering

## TECHNICAL SKILLS

**Programming:** Python · JavaScript · C/C++ · Swift · SQL · Java · PHP

**Software:** AWS · GCP · Cloud Firestore · React · Node.js · React Native · SwiftUI

## EXPERIENCE

### Software Engineer

Aug. 2023 – Present

*Baron Technologies*

*Miami, FL*

- Engineered core features for a business management platform using **PHP**, **Laravel**, and **SQL**
- Designed and implemented project scopes and feature specifications, leading the development of a **high-performance hypervisor** and ensuring optimal functionality through comprehensive testing
- Worked closely with clients to gather technical requirements, architect custom software solutions, and deliver **3+ software solutions** aligned with business goals

## PROJECTS

### Mental Wellness App | *React Native, Firebase, Gemini*

Jan. – Apr. 2024

- Designed a cross-platform mobile app using **React Native** with an AI mental health coach, journal, and task list
- Implemented a mental health coach by leveraging prompt engineering techniques with **Google's Gemini API**
- Integrated user authentication using **Firebase OAuth** and utilized **Firestore** for cloud storage and retrieval

### File System Daemon | *C++, FUSE*

Apr. – May 2024

- Developed a user-space daemon using **FUSE**, supporting file search, permissions, and metadata tracking in the mounted filesystem
- Designed a hierarchical file system with a vector of maps using **C++**, optimizing file and directory storage
- Improved functionality and user experience with comprehensive file management and efficient directory access

### Stock Market Trading Strategy | *Python, Backtest.py, Matplotlib, Numpy*

May – Jun. 2024

- Utilized **Python** and **Pandas** to analyze market data, improving decision-making and profitability
- Developed and optimized algorithms with **NumPy**, increasing performance and strategy accuracy by **~65%** through comprehensive backtesting
- Executed trading strategies using **Backtest.py**, achieving a simulated **10x return** over a decade through iterative testing and refinement

## EXTRACURRICULAR

### Assistant Campus Leader

Jun. 2022 – Aug. 2024

*Camp Mah-Kee-Nac*

*Stockbridge, MA*

- Oversaw **300+ campers**, ensuring efficient execution of daily activities and adherence to safety protocols
- Led a team of **20+ counselors**, providing guidance, performance feedback, and support, resulting in improved team cohesion and camper satisfaction
- Organized **10+ events**, managing logistics and optimizing schedules to deliver engaging experience