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 · Go · JavaScript · C/C++ · Swift · SQL · Java · PHP
Software: AWS · GCP · gRPC · Protobuf · Cloud Firestore · React · Node.js · React Native · SwiftUI

Experience

Software Engineer Intern Jun. 2025 – Aug. 2025

Datadog *New York, NY*

- Refactored a **critical-path backend service** resolving identifiers at **500K+ requests per second** in Datadog's largest datacenter
- Delivered a **50% reduction in data read/written** to storage systems by introducing leaner resource representation and removing redundant metadata
- Reduced cache TTL by **97%** while maintaining low latency, enabling fresher and more accurate resource state for downstream systems

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
- Optimized directory access and file operations for efficient retrieval in large hierarchies

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