Guilherme Oliveira

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EDUCATION

University of Central Florida **Aug 2024 - Expected Dec 2027**

Bachelor of Science, Computer Science (GPA: 3.7/4.0)

- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computer Organization, Systems Software, Discrete Structures

PROJECTS

Ollie – Trading Signals iOS App *Swift, SwiftUI, TypeScript, Node.js, PostgreSQL*

- Built a native iOS app in Swift and SwiftUI on Robinhood's Agentic Trading MCP that presents signals from a deterministic equities strategy as trade proposals for review.
- Designed a human-in-the-loop approval flow so no order reaches the broker without explicit confirmation in the app.
- Implemented per-account position caps and a global kill switch that halts all trading at once.
- Wrote the Node.js/TypeScript backend on PostgreSQL, deployed on Railway.

OneTap – Credit Card Rewards App *React Native, Expo, TypeScript, Figma*

- Shipped an iOS app with a 4-person hackathon team that charges each NFC card tap to the user's highest-rewards credit card.
- Led the Expo and React Native frontend, building onboarding with email sign-up, a card carousel and a dashboard showing the routed card and rewards earned within about 2 seconds of a tap.
- Designed the physical card, App Store-ready app icon and brand lockups following Apple's Human Interface Guidelines.

Zaklang – Token-Efficient Language for LLMs *React, TypeScript, Vite, TanStack Query*

- Building Zak, a strictly typed language that compiles to Python, with a 7-person senior design team, plus ZakBench, which scores LLM-written Zak against Python on hidden-test correctness and token usage.
- Developed the web playground with task selection, editable Zak and Python code, and a staged view of the compile, run and scoring pipeline.
- Implemented JWT login and registration with token refresh, and deployed the frontend on Railway.

Aperture – AI Investment Research Platform *Next.js, React, TypeScript, Tailwind CSS, Gemini API*

- Led frontend for a 4-person hackathon team, shipping an investing web app with Next.js, React, TypeScript and Tailwind CSS on Vercel.
- Integrated the Gemini API for screenshot portfolio import, cited research and a multi-agent bull/bear investment committee, with non-AI fallbacks when API quota runs out.
- Designed beginner-to-advanced adaptive views for ETF look-through, fund overlap and stress-test analytics built on Finnhub and SEC EDGAR data, with Supabase auth.

EXPERIENCE

ServiceNow University | *Academic Extern (Remote)* **Jun 2026 - Jul 2026**

- Completed a 6-week externship in ServiceNow administration, ITSM, Flow Designer and Now Assist.
- Configured Flow Designer workflows and AI Agent automations in hands-on platform labs.

The Walt Disney Company | *Lifeguard* **Mar 2024 - Present**

- Performed 5+ emergency rescues and enforced safety rules.

TECHNICAL SKILLS

Languages: Swift, TypeScript, JavaScript, HTML/CSS, Python, Java, C

Frameworks & Libraries: SwiftUI, React, React Native, Expo, Next.js, Tailwind CSS, TanStack Query, Vite, Node.js

Tools & Platforms: Xcode, Figma, Git/GitHub, VS Code, Docker, CI/CD, Supabase, REST APIs, Gemini API, OpenAI API, MCP

Cloud & Infrastructure: AWS, Vercel, Railway, DigitalOcean