

Daniel Palma

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EDUCATION

University of Central Florida

May 2026

B.S. in Computer Science, Minor in Mathematics 3.7/4.0 GPA

Orlando, Florida

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Discrete Mathematical Structures, Computer Logic

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, Rust, C, C++, C#, SQL, Haskell, OCaml, HTML, CSS

Frameworks: React, Node.js, Next.js, TailwindCSS

Tools: Git, Github, Docker, Vercel, Linux, Heroku, LaTeX, Supabase, tRPC, Figma, Turso, Drizzle ORM, Lucia

WORK EXPERIENCE

Software Engineering Intern — Entitlements Management

May 2025 - August 2025

Morgan Stanley

New York, New York

- Built and deployed a full-stack monitoring and archival app (Vite, React, FastAPI, IBM DB2) to centralize tracking for 300+ ETL jobs, improving team visibility and standardization.
- Improved frontend load time by ~92% (11.5s → 0.9s) and API latency by ~86% (2.1s → 0.3s) through caching, query optimization, and rendering enhancements.
- Owned end-to-end architecture and development, implementing logging standards and a reliable job status flow while collaborating with stakeholders to ensure usability and maintainability

Software Engineering Intern — Design, Processes & Tools

May 2024 - January 2025

The Boeing Company

St. Louis, Missouri

- Pioneered development of SuperBSQL, a complete workflow automation to completely eliminate manual data processing between databases using Python enabling secure & efficient data transfers
- Designed an instantaneous pipeline that transforms customer datasets using Pandas into acceptable PL/SQL formats and increases engineer's focus times by 250+ hours a year
- Established robust error handling, reporting & logging with automated email alerting using SMTPLib

Software Development Lead

August 2023 - Present

KnightHacks

Orlando, Florida

- Architected a comprehensive monorepository system, serving multiple full-stack applications to 3000+ users.
- Spearheaded the development of shared UI components, databases, and APIs across multiple applications, reducing latency by 60% and enhancing system efficiency
- Architected and deployed a cutting-edge, fully serverless infrastructure leveraging Cloudflare Workers and Turso, powering diverse applications including a club site, admin tool, and hackathon website reducing infrastructure costs by 94%

PROJECTS

FEPrep | *Turborepo, Next.js, TypeScript, libSQL, tRPC, Drizzle ORM, Expo, Lucia, React Native, TailwindCSS, Vercel*

- Developed the back-end of an educational platform with 200+ DAU to study for the FE Exam at UCF.
- Adapted endpoints to optimize query speed by 26% and reduce total API calls by 33%
- Increased server-side component efficiency 14% by caching results to be reused on subsequent requests.

Review Summarizer 9000 | *React, Next.js, Typescript, TailwindCSS, Express.js, Puppeteer, GPT3.5*

- Awarded 1st Place in Microsoft & RBC's Challenge at KnightHacks 2023.
- Optimized data pipeline speed from the webscraper to client-side injection by 18%
- Pioneered functionality allowing our team to write React Components using TailwindCSS and TypeScript that could be injected into any website regardless of support.

Handy Dollar | *React, Next.js, TypeScript, TailwindCSS, Azure AI Vision, PostgreSQL, Supabase, Plaid API, GPT3.5*

- Awarded 2nd Place in Google's Empowering Learners with Technology challenge at ShellHacks 2023.
- Led development in implementing the database, user authentication, and API.
- Utilized Azure's AI Vision and OpenAI's ChatGPT API to seamlessly extract and correlate receipt data with bank transactions.
- Leveraged GPT3.5 and Supabase Buckets to cache responses and reduce API calls.