

Daniel Palma

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EDUCATION

University of Central Florida

Orlando, Florida

B.S. in Computer Science, Minor in Mathematics 3.9/4.0 GPA

Expected Graduation: 2026

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

WORK EXPERIENCE

Undergraduate Teaching Assistant

August 2023 - December 2023

University of Central Florida

Orlando, Florida

- Lead teaching assistant for the introductory data structures course
- Coordinated lab lectures for over 5 sections and assignments for over 100 students and 5 lab sections
- Engaging with students through weekly office hours for assignment assistance.

Peer Tutor

August 2021 - May 2022

Cypress Bay High School

Weston, Florida

- Aided students in C and Java programming develop a solid understanding of the language.
- Provided students with resources in order to properly identify and solve problems, resulting in an average of 15% greater test scores
- Collaborated with other Peer Tutors to hold weekly group review sessions of 30+ students.
- Demonstrated how to implement complex data structures and algorithms into programs resulting in a 45% greater passing rate on assignments.

PROJECTS

Handy Dollar | *React, Next.js, TypeScript, Tailwind CSS, 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.
- Implemented user authentication using Supabase Auth and OAuth2 social providers
- 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.

HXUI | *React, Next.js, Typescript, Tailwind CSS, PostgreSQL, Supabase*

- Developed a full stack interactive dashboard using Next.js and Supabase.
- Modeled PostgreSQL database schemas and policies for data using row level security.
- Handled user authentication and sign up with oAuth providers through Supabase Auth
- Communicates with the PostgreSQL database using a RESTful API.

DealDetector | *Python, Discord.py, BeautifulSoup*

- Utilizes the Requests and BeautifulSoup libraries to monitor online retailers to extract item titles and prices.
- Leverages the discord.py library to connect to Discord's API and send alerts to users through designated channels.
- Enables users to monitor prices in real-time and sends alerts when they meet desired thresholds.

Pomo.io | *TypeScript, Tailwind CSS, Next.js*

- Created a Next.js single-page Pomodoro timer application for improved productivity and focus.
- Leveraged Next.js to optimize performance and deliver a responsive website, improving loading times and navigation.
- implemented TypeScript for type safety and code quality, ensuring robustness and minimizing errors

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL (Postgres), JavaScript, TypeScript, HTML, CSS

Frameworks: React, Node.js, Next.js, Tailwind CSS

Tools: Git, Github, Docker, Vercel, Linux, Heroku, LaTeX, Supabase

ORGANIZATIONS

Knight Hacks | *Member*

- Hack-A-Day 2 Winner: Knights Wallet