Daniel J Efres

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EDUCATION

University of Central Florida — Orlando, FL
Bachelor's Degree in Computer Science, Minor in Mathematics — *Expected Grad: May 2027*
- GPA: 3.517
- Honors/Awards: Dean's List Recipient Fall 2023, Dean's List Recipient Spring 2024
- Organizations and Affiliations: KnightHacks, Society of Hispanic Engineers, ColorStack

PROJECTS

Kmodo | *TypeScript, React, Next.js, Tailwind CSS, tRPC, Drizzle, PostgreSQL, Git* — Jan 2025 – Present
- Built a hackathon platform with role-based authentication, responsive user interfaces, and scalable database schemas to enhance user experience and engagement.
- Streamlined development and deployment processes using modern frameworks like Drizzle and PostgreSQL for efficient schema management and data handling.

Spark-A-Hack | *TypeScript, React, Next.js, Tailwind CSS, tRPC, Git* — Sep 2024 – Nov 2024
- Led the front-end development, designing an intuitive user interface with React and Tailwind CSS, reducing page load times by 30% and improving overall user interaction and accessibility
- Developed personalized project ideas based on user input and analysis of 30,000+ past hackathon-winning ideas using the Gemini API, enhancing user creativity and relevance.

HackTracker | *TypeScript, React, Tailwind CSS, tRPC, Next.js, Git* — Sep 2024 – Nov 2024
- Led the front-end development, designing a responsive user interface with React and Tailwind CSS, reducing load times by 40% and increasing overall user engagement by 25%.
- Implemented personalized recommendations and filtering features for 100+ hackathon events, boosting user retention by 30% and improving navigation efficiency by 20% through seamless integration with back-end services.

MacroAdmin | *Python, ReactPy, SQLite* — Jun 2024 – Present
- Developed a web-based nutrition tracking application using Python and ReactPy, enabling users to input various foods and calculate their total daily macronutrient intake.
- Integrated an SQLite/PostgreSQL database to store and manage over 5,000 food items, facilitating quick and accurate calculations for users while improving database performance by 35%.

EXPERIENCE

Hackathon Organizer — Dec 2024 – Present
Knight Hacks — *Orlando, FL*
- Leading efforts to secure sponsorships from corporate partners, fostering long-term relationships to support organizational initiatives and ensure the success of Knight Hacks VII, including workshops, activities, and ceremonies
- Overseeing event logistics and participant outreach, focusing on crafting post-event reports to analyze key metrics such as participant satisfaction and engaging 500+ attendees in impactful experiences.

Behavioral Health Technician Assistant — May 2022 – Aug 2022
South Florida Mental Health & Recovery — *Homestead, FL*
- Facilitated patient data gathering in collaboration with therapeutic and psychological professionals, supporting mental health interventions for 80+ patients and enhancing individualized care plans.
- Contributed to treatment planning by identifying patients' needs, problems, and strengths, leading to a 15% improvement in patient outcomes over the summer program.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML, CSS, TypeScript
Frameworks/Libraries: React, Angular, React Native, ReactPy, Tailwind CSS, Prisma, tRPC, Drizzle, Tkinter, Pygame, SQLite
Developer Tools: Git, GitHub, Node.js, Next.js, VS Code, Vercel, PyCharm, Blender, Onshape