

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

Secretary

Feb 2025 – Present

Knight Hacks

Orlando, FL

- Managed access credentials and led onboarding initiatives, ensuring seamless integration for 60+ members, while coordinating event spaces and logistics with UCF Registrar for hackathons, workshops, and meetings.
- Led efforts to secure sponsorships from corporate partners, fostering long-term relationships to support Knight Hacks VIII and ensuring its success for 500+ attendees, including workshops, activities, and ceremonies.

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