Colin Henkel

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EDUCATION

The University of Central Florida | Orlando, FL
B.S., Computer Science (August 2022 - May 2026)
Relevant Coursework: Data Structures, Algorithms and Analysis, Database Systems, Discrete Computational Structures, Processes for Object Oriented Software Development
Awards & Honors: Dean's List (Fall 2022, Fall 2024)

RELEVANT EXPERIENCE

KnightHacks@UCF | UCF Department of Engineering and Computer Science   January 2025 - Present
Member
- Participate in Hackathons on project teams.
- Primarily develop backend and database schema of projects.
- Assist with frontend development and UX design.

TECHNICAL PROJECTS

Fitness Tracker and Workout Manager | Hackathon Project   Fall 2024
- Utilized MongoDB GUI, Shell, and Playground to create and manage Users, Exercises, and Workouts.
- Assisted with creation of API and linking API and MongoDB to frontend.
- Updated frontend functions to properly communicate with API.

University Event Site | Hackathon Project   Fall 2024
- Utilized LAMP stack for a simulated event forum with public, private, and RSO event listings.
- Users could create and join RSOs within their university.
- Users could view, sign up for, review, and comment on all events they had permission to view.
- Created the entire database and most of the backend functionality.

ADDITIONAL EXPERIENCE

Robotics Programming Team @ East Ridge High | Clermont, FL   Fall 2018 - Spring 2022
Programming Lead
- Lead and teach programming team for my high school robotics club.
- Develop robot code in Java for First Robotics Competitions.
- Program pre-determined movements for the automatic portion of robotics matches.

SKILLS & CERTIFICATIONS

- **Programming Languages:** HTML, CSS, C#, C++, Java, Kotlin, Python, PHP, Javascript, Typescript
- **Technologies:** AWS, Azure, nginx, Flask, MongoDB, MySQL, ReactJS, Express, NodeJS, PostgreSQL
- **Tools:** Git, Docker
- **Backend Development:** API Design, REST API, API Integration
- **Database Systems:** Database Administration, Database Design, Linking Database to Apps