

# Colin Henkel

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## EDUCATION

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**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

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**Robotics Programming Mentor @ East Ridge High** | Clermont, FL

Spring 2022 - Spring 2023

*Programming Team Mentor*

- Help teach Object Oriented programming to high school students on my previous robotics team.
- Assist with decision-making, planning, and scheduling for the programming team on ERHS robotics.

## TECHNICAL PROJECTS

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**Fitness Tracker and Workout Manager** | School 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** | School 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

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**KnightHacks@UCF** | UCF Department of Engineering and Computer Science

January 2025 - Present

*Member*

- Participate in the Hackathon on a project team.
- Primarily assist with backend development of the chosen project.

## SKILLS & CERTIFICATIONS

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- **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