

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

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

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.

Personal Contacts Manager | School Project

Fall 2024

- Utilized AWS Bitnami to create a relational MySQL database consisting of Users and Contacts.
- Wrote PHP for DisplayContacts, UpdateContacts, and SearchContacts.

ADDITIONAL EXPERIENCE

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

- **Programming Languages:** C, C#, C++, Java, Kotlin, Python, PHP, Javascript, Typescript
- **Tools and Technologies:** AWS, Azure, MongoDB, MySQL, ReactJS, Express, NodeJS, Git, PostgreSQL
- **Backend Development:** API Design, RESTful API, Link API and Frontend
- **Database Systems:** Database Administration, Database Design, Linking Database to Apps