

# Nicholas Aristizabal

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## EDUCATION

University of Central Florida | BS in Computer Science

Spring 2025

- GPA: 3.65

## SKILLS

C/C++ | Java | Spring Boot | Python | Rust | JavaScript/TypeScript | Team Management | Leadership | Problem Solving

## PROJECTS

**Surgical Tool Tracking Program using Image Recognition – AI Integration Team** August 2024 – Present

- Developing Python API endpoints to seamlessly retrieve real-time data from a YOLO model for surgical tool recognition.
- Implemented a Java program to interact with the Python API, efficiently processing and managing outputs from the YOLO model.

**Course-Connect. A full-stack web application (MERN) – Developer**

May 2024 – August 2024

- As a developer, I was in charge of writing the scripts that will scrape UCF's data on courses and programs offered.
- Made API endpoints for CRUD operations on course and program data.
- Designed a user-friendly interface allowing users to query and view detailed course information.

**Full Stack Mobile application (MERN) - Project Manager**

October 2023 - December 2023

- As the project manager, I orchestrated the development of a full-stack mobile application using react native with a backend using NodeJS.
- Designed and developed the front end of a social recipe management app using React Native.
- Collaborated with a team of 5 to develop and deploy our app.

**Full Stack Web application (LAMP) - Project Manager**

August 2023 - October 2023

- Designed and developed the project's front end using HTML, CSS, and JavaScript.
- Collaborated in the development of the back end using PHP and MySQL.
- As the project manager, I fostered a cohesive team environment by facilitating communication, resolving conflicts, and motivating team members to achieve excellence.

## WORK EXPERIENCE

**Student Academic Resource Center @ UCF, Peer Tutor**

January 2022 – Present

- Utilize a variety of techniques to tutor students in Organic Chemistry I and Computer Science I that align with their preferred learning styles.
- Lead 2-hour long group tutoring sessions for each subject to help each tutee master the material.

**Software Engineering Intern @ UKG**

May 2024 – August 2024

- Collaborated with the Identity and Access Management (IAM) team to develop internal tools and API endpoints, enhancing application security.
- Designed and implemented unit and integration tests to ensure code reliability and coverage.
- Automated access token rotation tasks across development, staging, and production environments.

## HONORS AND ACHIEVEMENTS

Excellence in Chemistry 2019 | Bright Futures Medallion Scholarship 2019 | National Honor Society 2017 | CRLA Level II 2022 | UCF Dean's List 2019-2023 | UCF President's List 2020