

# Lucas Rodriguez

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## EDUCATION

### University of Florida

Gainesville, FL

*B.S. in Computer Science; Minor in Statistics, Education Sciences*

*Aug. 2023 – Present*

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Software Engineering, Databases I, Agile Project Management

**GPA:** 3.64

## PROJECTS

### IT Ticket Help Desk | *React, MongoDB, Express, Node*

June 2024 – August 2024

- Acted as a Front-End Developer on a team of students developing a software project as part of UF's Intro to Software Engineering course
- Planned and created a mock-up full-stack IT Ticket system website using Agile processes, including daily Scrum meetings and Sprint methodologies
- Contributed to primarily front-end codebase, developing features such as login and account systems, React user interfaces and pages, and Express router algorithms integrated with MongoDB to allow for a fully functional ticket system

### StarGator | *Python*

March 2024 – April 2024

- Contributed to a lightweight data visualizer that classifies stars based on properties from the HYG v3.7 star dataset, which contains over 120,000 points of information
- Allows for the sorting of stars by various astrological properties, including luminosity, temperature, and size
- Allows for dimensional plotting of star properties through integration of Python libraries such as Matplotlib

## LEADERSHIP & INVOLVEMENT

### House Manager

Nov 2024 – Present

*The Chi Phi Fraternity*

*Gainesville, FL*

- Elected as House Manager for a Greek organization with 160+ active members centralized in a 13,388 square foot on-campus house with ~35 residents on a 0.89 acre lot
- Performed and organized the execution of day-to-day and large-scale house operations, including cleaning, house improvement, and coordination of maintenance scheduling and supply logistics with vendors and fraternity staff
- Conducted regular meetings and structured budgets as the director of a House Improvement Committee comprised of ~25 members planning the distribution of a \$6,000 annual budget dedicated to house projects

### UF Student Senator

July 2024 – October 2024

*University of Florida*

*Gainesville, FL*

- Represented the Keys-Springs residence area in the University of Florida Student Senate, which distributes a \$25 million budget across a variety of student organizations and events
- Contributed to weekly parliamentary procedure, as well as co-authored and sponsored legislation aimed to improve the needs of the student body, including extended library hours and improving vegetation on campus

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, HTML/CSS, JavaScript, TypeScript

**Frameworks:** React, Express, Expo, Node.js, MongoDB

**Developer Tools:** Git, WebStorm, CLion, PyCharm, IntelliJ, Eclipse, Visual Studio Code

## AWARDS

**Herbert Wertheim College of Engineering Dean's List** | *Spring 2024*

June 2024

**Herbert Wertheim College of Engineering Dean's List** | *Fall 2023*

January 2024

**FIU HSPC - Programming Competition** | *Placed 1st in Division 1 out of 8 teams*

April 2023

**UCF HSPT - Programming Competition** | *Placed 9th out of 74 teams*

March 2023

## ADDITIONAL INFORMATION

**Additional Languages:** Spanish (Fluent)