

# Lucas Rodriguez

786-857-2659 | lucas.rodriguez@ufl.edu | linkedin.com/in/lucasrodrig | Miami, FL

## EDUCATION

**University of Florida Herbert Wertheim College of Engineering** Gainesville, FL  
*B.S. in Computer Science; Minor in Statistics, Education Sciences* Aug. 2023 – Present  
**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Software Engineering, Agile Project Management, Databases I  
**GPA:** 3.54

## PROJECTS

**Spark Rewards** | *AWS, TypeScript, React* Feb. 2025 – Present

- Developing for an *in-alpha* SaaS loyalty platform startup partnered with 10+ Gainesville restaurants, delivering tailored rewards through a mobile app, online business portal, and consumer website
- Implement key web interfaces, such as a consumer landing page and account editor, while extending backend infrastructure (DynamoDB/Aurora schemas, Cognito auth, Lambdas+API Gateway) to support secure multi-tenant data
- Contribute to the design of modular CDK stacks and CI/CD pipeline routines that cut full-stack deployment time by 30–40%, as well as comprehensive Jest testing and Swagger-documented APIs to ensure long-term scalability

**MLB Data Analytics Model** | *Python* May 2025 – Present

- Built a baseball statistical model using Poisson/Gamma regressions to project success of player outcomes
- Ingested 5 M+ Statcast events into daily batter/pitcher tables to calculate advanced metrics such as xwOBA
- Built scraper that streams sportsbook odds and enriches them with factors including park geography, live weather, and team trends via a pytest-verified ETL pipeline
- Integrated backend AI portfolio agent generating an average of 6–8% ROI vs. closing lines

## EXPERIENCE & INVOLVEMENT

**Peer Mentor** June. 2025 – Present  
*University of Florida Department of Engineering Education* Gainesville, FL

- Selected as the sole Peer Mentor during the Summer B semester for the course COP2273 - Python Programming for Engineers
- Responsible for grading Python assignments, holding weekly office hours, and answering technical questions to support student learning during and after in-class sessions

**Vice President of House Management** Nov. 2024 – Present  
*The Chi Phi Fraternity* Gainesville, FL

- Elected as Chapter House Manager for a Greek organization with 120+ active members centralized in a 13,300 square foot on-campus student house with ~35 residents on a 0.89 acre lot
- Perform and lead the execution of day-to-day and large-scale house operations, including cleaning, house improvement efforts, and coordination of maintenance scheduling and supply logistics with vendors, fraternity staff, and University officials
- Conduct regular meetings and structure budgets as the director of a House Improvement Committee comprised of 20+ members planning the distribution of a \$6,000 annual budget dedicated to house projects

**Student Senator** July 2024 – Oct. 2024  
*University of Florida Student Government* Gainesville, FL

- Represented the student body of the Keys-Springs dormitories Residence Area in the University of Florida Student Senate, which distributes an annual \$25 million budget across a variety of student-led organizations and events
- Participated in parliamentary procedure and upheld constituency requirements, as well as co-authored and sponsored legislation aimed to improve the needs of the student body, including proposing budgetary allocations for programs ranging from extended library hours to improved mental health advocacy resources for minority groups on campus

## AWARDS

**Herbert Wertheim College of Engineering Dean's List** | *Spring 2025* June 2025  
**Herbert Wertheim College of Engineering Dean's List** | *Spring 2024* June 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)