

Lucas Rodriguez

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EDUCATION

University of Florida
B.S. in Computer Science; Minor in Statistics, Education Sciences
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Agile Project Management, Databases I
GPA: 3.62

Gainesville, FL
Aug. 2023 – Present

PROJECTS

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

- Developing an *in-alpha* SaaS loyalty platform 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 development 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

IT Ticket System | *React, MongoDB, Express, Node*
June 2024 – Aug. 2024

- Executed the duties of a Front-End Developer on an team of students developing a mock full-stack IT ticket system designed for UFIT using Agile processes, including daily Scrum meetings and Sprint methodologies
- Designed UI/UX elements using Figma, including document elements and pages such as account dashboards, user login, and ticket panels
- Contributed to front-end codebase and development of backend algorithms, including RESTful APIs using Express and MongoDB that support low average query times and user concurrency

LEADERSHIP & INVOLVEMENT

House Manager
The Chi Phi Fraternity
Nov. 2024 – Present
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
University of Florida Student Government
July 2024 – Oct. 2024
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

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML, CSS, JavaScript, TypeScript
Frameworks: Tailwind, 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*
Herbert Wertheim College of Engineering Dean's List | *Fall 2023*
FIU HSPC - Programming Competition | *Placed 1st in Division 1 out of 8 teams*
UCF HSPT - Programming Competition | *Placed 9th out of 74 teams*

June 2024
January 2024
April 2023
March 2023

ADDITIONAL INFORMATION

Additional Languages: Spanish (Fluent)