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, Agile Project Management, Databases I
GPA: 3.64

PROJECTS

IT Ticket Help Desk | *React, MongoDB, Express, Node*   June 2024 – August 2024
- Executed the duties of a Front-End Developer on an team of students developing a mock full-stack IT ticket system 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 in load testing environments

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 dimensional plotting of star properties through integration of Python libraries such as Matplotlib, as well as sorting of stars by various astrological properties

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
- Participated in weekly parliamentary procedure and voting, as well as co-authored and sponsored legislation aimed to improve the needs of the student body, including proposing budgetary allocations for programs such as extended library hours and mental health advocacy resources 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)