

Raul Ignacio Rojas-Sillery

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Professional Summary:

Gregarious professional with a proven record of generating relationships, managing projects from concept to completion, designing educational strategies, and performing research in data analysis. Skilled in research & data evaluation techniques, building cross-functional teams, demonstrating exceptional communication skills, and making critical decisions during challenges.

Education:

University of Florida, Gainesville, FL BS in Computer Science, BA in Anthropology

Certificates: Geographic Artificial Intelligence & Big Data, Geospatial Information Analysis,
Artificial Intelligence Fundamentals & Applications

GPA: 3.64

May 2026

Research Experience:

2024-Present

"A Decade of Change: Remote Sensing Analysis of Ecological and Hydrological Dynamics in Venezuelan Tepuis"

Utilizing remote sensing and satellite imagery in Google Earth Engine, this project analyzes ecological and hydrological changes in Venezuelan Tepuis. Focused on Auyan Tepui, the study employs NDVI and NDWI metrics alongside climate data to assess ecosystem health and climatic trends, aiming to provide insights into the impacts of climate change and develop effective conservation strategies.

Extracurricular Activities:

Vice President of External Affairs, Thrift Club @ UF

2024 - Present

- Perform Outreach Chair responsibilities on a larger scale, delegating initiatives, and bridging the Gainesville Community and University of Florida using a foundation of sustainability & thrift culture to a membership of over 4,000

Vice President of External Affairs, United Nations Association

2022 - 2024

- Educate the community's youth on global objectives through project-based teaching in STEM and world stewardship, partnering with Carolyn Beatrice Parker Elementary School to deliver projects to children ages 5-8
- Provide a platform for international connection through the UNA network, such as with Gainesville's Sister Cities, including Duhok & Qalqilya
- Assist over 200 of the homeless community of Gainesville through 3 semesterly food drives

Outreach Chair, Thrift Club @ UF

2022 - 2024

- Help organize and maintain operation of 34 Thrift Swaps, events where people swap clothing, leading to the collection of over 20,000 items that have been donated through the local Peaceful Paths nonprofit for the benefit of the Gainesville Community
 - Connect 20+ food, drink, and craft vendors over the course of 3 Thrift Galas, a fundraising event hosted in collaboration with the non-profit UNLITTER that includes a market area, live music, and a fashion runway inspired by the spirit of sustainability and style, that averages 120 ticket sales each.
 - Coordinate outreach initiatives and partnerships with local businesses, engaging both university members and the local community in sustainable practices and thrift culture.
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Work Experience:

Facilities and Client Service Associate, Key Biscayne Beach Club

May 2022 – August 2022

- Manage a team of 5+ for the sake of security, site maintenance, member feedback implementation, guest relations, and membership instatement, ensuring a safe and welcoming environment of over 1,000 members on a daily basis while assisting in food and alcohol sale operations

Breakthrough Miami Instructor & Mentor, Ransom Everglades School June 2021 - August 2021

- Taught English Language Arts and Chess to 60 students impacted by the pandemic across 6 classrooms and during an 8-week, prestigious summer program
- Developed & implemented 8 project-based learning plans enhancing engagement and learning outcomes
- Organized 4 chess tournaments, taught tactics, and chess notation, fostering involvement and team spirit.

Skills & Certifications:

Licenses: Boating License, CPR & First Aid Certification

Languages: English (Native), Spanish (Native), French (Conversational)

Technical Skills: Python Proficiency, Data Visualization & Computation using R, Machine Learning w/TensorFlow: API Integration, LLM & CNN Construction, SWIFT, Remote Sensing & Geo-Spatial Analysis: ArcGIS, QGIS, & Google Earth Engine Modeling, Social Media Management, Event Planning & Outreach, Project Management & Leadership, Research Methodologies