



Margaret Rivas

Miami, FL | Mobile: +1 (786) 343-1974 | Email: margaretrivaslutz@hotmail.com

[linkedin.com/in/margaretrivaslutz/](https://www.linkedin.com/in/margaretrivaslutz/)

EDUCATION

Florida State University

Tallahassee, FL

Bachelor of Science in Computer Science and Bachelor of Science in Computational Biology Class of Spring 2024

- GPA: 3.8/4.0
- President's List: 3 semesters & Dean's List: 1 semester

EXPERIENCE

Johnson & Johnson

Spring House, PA

Technology Intern

May 2023 – Present

- Developed application and data storage solution to standardize decision-making in support of target validation for initial stages of drug discovery for 6 therapeutic areas at Janssen R&D using JS, QuickBase, and MS Power Tools: Power Automate, Power Apps, & Power BI.
- Led pipeline automation initiative for improved collaboration and project metadata collection, and piloted use in 3 JRD programs, achieving a 40% reduction in manual data entry.
- Utilized Cypher to extract assay result data from AWS Neptune graph database, resulting in a 55% increase in efficiency by significantly speeding up data retrieval for gene therapy research groups.
- Developed JavaScript apps deployed onto Datagrok facilitating visualization, interpretation, and result correlation analysis of therapeutic data + presented customized dashboard visuals to scientists, receiving positive feedback.

Florida State University

Tallahassee, FL

Research Assistant

2021 – 2022

- Developed a transferable species distribution model based on sea turtle subjects that explores seascape permeability to mitigate anthropogenic impact on natural routes.
- Demonstrated expertise in Bayesian Statistics and data analysis, dedicating 10 hours per week to generate distribution prediction models using the R programming language.
- Led the project “Assessing the functional connectivity of *Chelonia mydas* between an island rookery and coastal foraging grounds” and presented findings at the UROP Research Symposium at FSU to 150+ attendees.

Memorial Hospital Miramar

Miramar, FL

Shadowing and Volunteering

2019 – 2020

- Collaborated with nurses and doctors across diverse specialties: filling prescriptions, offering explanations to patients' families, assisting with record-keeping, and delivering instructions for minor medical procedures.
- Led a team in organizing various donation events, raising \$5,000 in support of orphanage: “Children's Harbor”.

Cypress Bay HOSA Chapter

Weston, FL

Assistant CPR Instructor

2018 – 2020

- Instructed CPR lectures and practical demonstrations to high school students, making proper use of AED medical devices, and creating a passing rate for the ARC certification exam of 94% average for all classes.

SKILLS

Coding Languages: Python | C++ | R | JavaScript | HTML/CSS | Cypher | SQL | Bash

Technical Tools: AWS Neptune | Datagrok | Dataverse | Git | MS Excel | MS Power Tools: Power BI, Power Apps, & Power Automate | QuickBase | Linux

Certifications: EKG Technician (CET), Medical Administrative Assistant (CMAA), & Adult First Aid/CPR/AED

Languages: Spanish & English

EXTRACURRICULARS

- FSU Venezuelan Student Association (2020 – Present)
- HOSA CPR Competition Team (2018 – 2020)
- Tennis player (2009 – Present)