Rose De Sicilia

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EDUCATION

Florida International University | Miami, Florida   *Expected: December 2023*
B.S. Computer Science
Honors: **Dean's List** Fall 2021, **UPE Woman in Tech Award** 2022
Associations: Upsilon Pi Epsilon (UPE), Society of Hispanic Professional Engineers (SHPE), StartUP FIU, Softbank Operator School
Scholarships: **Flit Gap** Scholarship 2021 - 2023, **Apple Scholars** 2022 Program - HACU and Apple

SKILLS

Computer: Java, C, Python, SQL, HTML5, CSS, Javascript, Git, Google Colab, Jupyter
Languages: English (fluent, native), Spanish (fluent, native)

WORK EXPERIENCE

Technology investigation Intern| **Apple** | Sunnyvale, Ca   *May 2022 - August 2022*
- Incoming technology investigation intern

Student Research Assistant | **FIU** | Miami, Florida   *February 2022 - March 2022*
- Analyzed **100s Transfer Learning Technologies papers** in Educational Data Mining journals to assess the field's awareness of inclusion, bias, accessibility, equality, fairness, and diversity when conducting research

Undergraduate Teaching Assistant | **FIU** | Miami, Fl   *August 2021 - February 2022*
- Guided over **150 students** through Programming 1 labs by identifying student's knowledge gaps and explaining concepts such as data types, multidimensional arrays, conditional statements, OOP classes and objects, user input, console prints, method returns, and access specifiers
- Reported student performance in over 300 student labs, highlighting lab errors and knowledge gaps

Student Research Assistant | **FIU** | Miami, Florida   *May 2021 - August 2021*
- Participated in research aimed at developing Saccharomyces cerevisiae based SARS-CoV-2 vaccines
- Analyzed research papers that used computer vision and machine learning to track cell count and projected growth
- Calculated projected growth of Saccharomyces cerevisiae by training machine learning model on cell count over time
- Implemented technologies such as **Python, NumPy, sci-kit-learn, Matplotlib, and OpenCV**

PROJECTS

AI Yoga Studio | UPE SparkDev   *January 2022 - Present*
- Computer Vision model optimized to detect a defined set of yoga poses, implemented in a team of 7
- Minimizes user's chance of injury by coaching them on how to perform a pose properly
- Implemented technologies such as **HTML, CSS, JavaScript, Python, SciKit Learn, OpenCV, MediaPip, and Flask**

LEADERSHIP

AI Team Lead | **UPE** | Miami, Florida   *January 2022 - Present*
- Led a team of 6 students in the development of an AI Yoga Studio utilizing scrum methodologies
- Expanded leadership skills and gained knowledge of Scrum practices
- Implemented technologies such as **HTML, CSS, JavaScript, Python, SciKit Learn, OpenCV, MediaPip, and Flask**

Volunteer

WordPress Expert | Women's Build Event 2022 | 48in48   *April 2022*
- Collaborated with a group of 4 other women to build beautiful and intuitive websites and develop a marketing strategy for Missing Pieces Support Group, a nonprofit organization
- Created a website that **won 2nd place** in Top Sites among the final event's competition
- Implemented technologies such as **WordPress, JavaScript, Trello**

Big Sister | **CodeFest** | **FIU** | Miami, Florida   *December 2021*
- Collaborated with a group of 10 other female technology students to persuade our little sisters (female HighSchool students) to pursue an education in Technology
- Presented to the little sisters about my experiences of being a woman in computer science and about the limitless opportunities available to students in our field through internships, research, conventions, and scholarships