

Carolina M. Calonge

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Summary

As a fourth year Applied Physiology & Kinesiology on the pre-health track, Carolina is going through chemistries and anatomy classes in addition to degree specific classes that include clinical anatomy and exercise prescription. The research she is involved in focused on diagnostic tools for Parkinson's Disease and movement analysis for atypical Parkinson's Disease.

Educational History

- Associates of Arts in Liberal Arts and Sciences, **University of Florida** May 2024
- Applied Physiology and Kinesiology B.S., **University of Florida** May 2026

Research Experience

- Movement Estimation & Assessment Laboratory Spring 2023 – present
 - Diego Guarín, Ph.D. at University of Florida Health and Human Performance College

Presentations

- “Comparison of finger tapping velocity features between groups of healthy control, iRBD, and Parkinson's Disease using video-based analysis.”
 - 2024 HHP Poster Presentation
 - 2024 University of Florida AI Days
 - 2024 University of Florida Fall Undergraduate Research Symposium
 - 2025 University of Florida Spring Undergraduate Research Symposium
 - 2025 D.K. Stanely

Publications

- Acevedo, G., Lange, F., Calonge, C. *et al.* VisionMD: an open-source tool for video-based analysis of motor function in movement disorders. *npj Parkinsons Dis.* **11**, 27 (2025). <https://doi.org/10.1038/s41531-025-00876-6>

- Guarín, D.L., Acevedo, G., Calonge, C. *et al.* Video analysis reveals early signs of Bradykinesia in REM sleep behavior disorder and Parkinson’s disease. *npj Parkinsons Dis.* **11**, 222 (2025). <https://doi.org/10.1038/s41531-025-01082-0>

Professional History

EXERCISE SPECIALIST INTERN – Gainesville, FL

May 2025 – present

- Assigned at home exercise programs, as directed by a physical therapist, to meet patient abilities and explain the importance of adherence.
- Documented patient progress and communicated updates to the clinical team to contribute to decision making in ongoing care.
- Translated instructions and well-being questions from English to Spanish to enhance understanding and comfort for Spanish speaking patients.

PATIENT CARE COORDINATOR – Gainesville, FL

October 2024 – August 2025

- Verified insurance coverage and benefits, calculated and collected co-pays, and educated patients on their financial responsibilities.
- Managed and tracked Plans of Care from referring physicians and ensured compliance with authorization timelines.

CERTIFIED NURSING ASSISTANT – Miami, FL

Palmetto Subacute Care Facility

May 2023- August 2023

- Completed mandatory training programs and maintained knowledge of current healthcare protocols and procedures.
- Responded to patient calls and alarms promptly, providing reassurance and addressing immediate needs.
- Collaborated with the nursing team to update patient charts through Point Click Care software.
- Transported and transferred patients with Hoyer lift as needed.
- Cared for 10+ patients per shift.

Languages and Skills

- Proficient in Spanish
- MDS-UPDRS Training and Certificate
- BLS certification from American Heart Association
- UF Health/Shand’s HIPPA certification

Additional Activities

INTER-RESIDENCE HALL ASSOCIATION

September 2022 – present

- President (2025- 2026)
- Operations Manager (2024-2025)
- Regional Business Conference Delegate (2024)
- Assistant Receptions Director (2023-2024)
- Homecoming Director (2023)

- Yulee Area Council, Business Manager (2022-2023)

UF WOMEN'S WATER POLO CLUB

August 2022 – present

- Equipment Chair (2023-2024)
- Player (2022- present)

AI CLUB

August 2024 – present

- Member

UF AMERICAN MEDICAL STUDENT ASSOCIATION

January 2025 – present

- Member

Awards and Achievements

- University Scholars Program: August 2025 – May 2026
- Artificial Intelligence Undergraduate Research Scholar: August 2024- May 2025
- Dean's List: Fall 2023
- Forza Stefano Foundation Scholarship: June 2022
- Member of Golden Gator Council at the University of Florida: August 2025 – May 2026
- Member of Student Housing Committee: August 2025 – May 2026