

Victoria Villasana

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EDUCATION

University of Florida, Gainesville, FL
Bachelor of Science in Computer Science
Universidad Antonio de Nebrija
UF in Spain

May 2026

June – July 2024

Relevant Courses: Data Structures and Algorithms, Computer Organization, Enterprise Software Engineering, Engineering Statistics

Skills and Certifications

- Technical Skills: Python, C++, Microsoft Office, Canva, Github
- Strong interpersonal communication, organizational experience, ability to learn quickly, and problem-solving skills.
- Experience with customer service relations, event coordination, and multi-tasking in fast-paced environment.
- Language Skills: Native English speaker and fluent in Spanish, with advanced communication skills developed through familial heritage and study abroad experience in Spain.

Projects

AVL Tree Project | C++ | Github

January 2025 - February 2025

- Developed an efficient self-balancing AVL tree from scratch, implementing insertion, deletion, and rotations to maintain height balance.
- Designed and optimized node structures and balancing logic to ensure logarithmic time complexity for search operations.
- Utilized recursion and pointer manipulation to manage dynamic memory allocation and prevent memory leaks.
- Conducted extensive unit testing and debugging to ensure correct rebalancing and optimize performance.

Volunteer Experience

Winshape Camps: *Volunteer Leader*, Ponte Vedra, FL

July 2021 & July 2022

- Strengthened problem-solving and collaborative teamwork skills through planning and organizing community service initiatives.
- Supervised and organized activities for groups of children, ensuring a safe and engaging environment.
- Developed and maintained structured daily schedules, improving time management for camp programs.
- Fostered positive relationships with children, parents, and staff, enhancing the overall camp experience.

Alpha Omicron Pi Sorority: *Current Member*, Gainesville, FL

August 2022 – Present

- Volunteered at multiple philanthropic events, enhancing community engagement and representing the chapter's mission and values.
- Actively promoted Arthritis Foundation, increasing awareness and support for its initiatives through social media campaigns and event participation.
- Collaborated with chapter members to develop and execute community service projects, fostering teamwork and organizational skills.
- Strengthened interpersonal and leadership abilities by coordinating event logistics and mentoring newer chapter members.

Girls Empowered by Math & Science: *Current Member*, Gainesville, FL

October 2024 – Present

- Volunteered at PK Yonge Elementary, inspiring young girls to explore and excel in STEM fields.
- Facilitated hands-on experiments and learning opportunities to assist students in gaining a comprehensive understanding of the principles and impact of science, fostering a deeper appreciation for how it functions.