

Gretel Arcia Gonzalez

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EDUCATION

University of Florida

B.S. in Computer Science

- GPA: 3.83
- Coursework: Data Structures & Algorithms, Enterprise Software Engineering, Database Management Systems

Aug. 2020 – May 2025

Fully Online

Florida International University

B.S. in Biological Sciences

- Magna Cum Laude

Aug. 2013 – May 2017

Miami, FL

WORK EXPERIENCE

UKG (Ultimate Kronos Group)

Software Engineering Intern

- Developed and maintained Angular components to build a responsive and user-friendly front-end.
- Implemented NgRx for effective state management, ensuring scalability and efficiency of data handling.
- Created and executed regression test cases to ensure stability and functionality across updates, resolving issues before release.

Sep. 2024 – Present

Weston, FL

Xymogen

R&D Stability Coordinator

- Pioneered the Stability Coordinator role and spearheaded program expansion by 180%.
- Conducted statistical analysis of product degradation trends to support shelf-life claims and inform product quality decisions.
- Collaborated with R&D scientists on dietary supplement formulation development, authored protocols and reports, and supported laboratory testing and non-conformance investigations.

Feb. 2020 – Aug. 2024

Orlando, FL

DNA Labs International

Forensic Serologist

- Processed forensic evidence for over 500 cases, including sexual assaults, homicides, and property crimes.
- Performed DNA extraction, purification, and PCR amplification for the development of DNA profiles.
- Testified as an expert witness in robotic DNA extraction in the United States District Court of Miami, Florida.

May 2017 – Aug. 2019

Deerfield Beach, FL

PROJECTS

FoodBridge Donation Platform

- Collaborated in a team of four to develop a web app aimed at connecting donors with local shelters and food banks.
- Lead role in front-end development using Svelte kit, ensuring an intuitive and visually appealing user interface.
- Worked with back-end developers to seamlessly integrate front-end components, fostering effective teamwork.

Scrabble Helper

- Developed a program in C++ to assist with word lookup, point calculation, and scorekeeping for Scrabble games.
- Created two data structures from scratch (Trie and Map backed by a Red-Black Tree) to store Scrabble words and their definitions and compared their performance in word lookup and retrieval.

SKILLS & CERTIFICATIONS

- Languages: C++, Java, HTML/CSS/JS, SQL
- Frameworks: Angular, NgRx, Svelte
- Developer Tools: Git, VS Code, IntelliJ, Nightwatch
- ASQ Certified Six Sigma Yellow Belt

HONORS & AWARDS

- Academic Excellence Scholarship and Dean's List, *Florida International University*
- Florida Medallion Scholars Award
- Phi Beta Kappa Honor Society

LANGUAGES

- English (fluent) / Spanish (native)