SAMANTHA SANCHEZ JUAREZ

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SKILLS

- **Programming:** C++, C, C#, Python, Java, MySQL, PHP, Java Script, HTML, CSS, R, react, angular.
- **Computer:** AutoCAD, Amazon Web Services, Matlab, Linux, Unix, agile, Github, Jupyter notebook, ux.
- **Language:** Fluent in English and Spanish.

PROFESSIONAL EXPERIENCE

THE WALT DISNEY CO. *Disney College Program Intern*   2021 - 2022
- Participated on Disney Imagineering seminars to learn more about engineering operations at the Disney Parks.
- Responsible for ensuring guest satisfaction by giving prompt, friendly and knowledgeable service.
- Demonstrated strong communication skills by partnering with multiple departments across Disney World to ensure quality.

FLORIDA SOLAR ENGERGY CENTER *Data Engineer Research Assistant*   2019 - 2021
- Created a data analysis report using Python with automated email alerts to keep track of the solar panel status.
- Documented and updated code changes using GitHub to maintain programming tasks organized.
- Analyzed data patterns using machine learning to determine issues/failures on the solar panel sensors.
- Reported progress to project sponsors on a weekly basis to determine new weekly goals for the team.

UCF IT *Technical Support Specialist*   2017 - 2019
- Worked with distributed systems to troubleshoot, maintain, and repair laptops, desktops, printers, and peripherals.
- Demonstrated problem-solving skills by resolving VPN-related issues and server application access issues.
- Sustained knowledge base articles to document solutions, processes, and procedures.

TECHNOLOGY & ENGINEERING PROJECTS

Event Management Web Application – _Database Management Systems_ - **School Project**
- Built a web application replicating an event manager website using PHP and SQL.
- Designed a relational database diagram (ERD) corresponding to the application's database.
- Used SQL queries to filter out users with special access which will approve or deny event creation.

Asteroids Game – Personal Project
- Programmed an asteroids game in Java, implemented as a UI application using the Sandbox API.
- Created a sandbox in which the user can launch missiles to destroy asteroids while generating a score and triggering sounds.
- Performed Unit Testing to ensure proper code functionality and debugging.

Portfolio Website – **Personal Project**
- Created my own portfolio website from scratch using HTML, CSS3 and JavaScript.
- Utilized flexbox layout to create a responsive front-end design across devices.

EDUCATION

University of Central Florida, Orlando, FL
- Master of Science in Computer Science   Spring 2024

University of Central Florida, Orlando, FL
- Bachelor of Science in Computer Engineering   President's List   Spring 2021
- Minor in Mathematics   Dean's List   Spring 2021

CAMPUS INVOLVEMENT

GIRLS WHO CODE UCF (GWC)
President/Founder   2022-Present
- Created a collaborative environment to empower woman from different backgrounds to pursue software engineering.
- Recruit over 45 members exceeding expectations for Fall 2022.
- Host beginner friendly data structures and algorithm design workshops to introduce our non-stem members to programming.

ENGINEERING LEADERSHIP AND INNOVATION INSTITUTE (ELI2)   2019 - 2021
Technology Team Lead/Committee Member
- Held weekly Google Sprint workshops for over 50 students at EGS3031 (Leadership in Engineering I).
- Created meeting schedules and hosted progress meetings based on team member's availability.
- Researched and pitched semester's tech team project to committee members to showcase for Engineers Week at UCF.