SAMANTHA SANCHEZ

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SUMMARY

Disney College Program Intern at the Walt Disney World Resort. Freshly graduated computer engineering student at the University of Central Florida. Four-year experience working with software development. Two-year professional experience working with data and technical support. Fluent in English and Spanish.

PROFESSIONAL EXPERIENCE

THE WALT DISNEY CO.

Disney College Program Intern Custodial – Pop Century Resort   2021 - Present

- Directed Guests around the hotel and provided recommendations based on their questions and interests.
- Practice safe behaviors and ensure to always put safety first.
- Perform role efficiently while projecting a positive image so Guests get the most out of their visit.
- Show courtesy and respect to Guests of all ages.

FLORIDA SOLAR ENGERGY CENTER   2019 - 2021

Data Engineer Research Assistant

- Created a data analysis report using Python with automated email alerts sent out the first day of each month.
- Worked with the data infrastructure team to map out the devices on the field and restructure the current ETL design.
- Analyzed data patterns using machine learning to determine issues/failures on the solar panel sensors.
- Reported progress to project sponsors on a weekly basis.

UCF IT   2017 - 2019

Technical Support Specialist

- Troubleshoot, maintain, and repair laptops, desktops, workstations, printers, and peripherals.
- Assisted students and faculty with administrative password resets, account lockouts and account setups.
- Resolved VPN-related issues and server application access issues.
- Sustained knowledge base articles to document solutions, processes, and procedures.

Global UCF   2016 - 2017

Student Leader

- Led groups of up to forty to students throughout orientation activities.
- Worked directly with departments and partnerships across campus.
- Assisted with move in and engaged with first year students and families.

CAMPUS INVOLVEMENT

SOCIETY OF WOMAN ENGINEERS UCF (SWE)   2020 - 2021

President/Committee Member

- Represented SWE when meeting with other student organizations and university officials.
- Maintained a current list of members, and sent out weekly newsletter email.
- Held and supervised all SWE general meetings and events.
- Submitted a report of activities and events held during the semester and the year.

ENGINEERING LEADERSHIP INNOVATION AND TECHNOLOGY INSTITUTE (ELI2)   2019 - 2020

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.
- Showcased projects thought Engineers Week at UCF.

THEMED ENTRETAINMENT ASSOCIATION UCF (TEA)   2018 - 2020

Ryerson's Thrill Design Competition Team Member

- Participated on 10 different competition categories competing against 15 teams from different universities across the country.
- Presented in front of a 100+ persons audience including a 5-judge panel.
- Showcased strong communication and interpersonal skills while working on a team setting.

VOLUNTEER UCF   2017 - 2020

Knight volunteer

- Participated in the monthly cypress cleanup event.
- Assisted the Marine Discovery Center in New Smyrna Beach on shell bagging and plant collecting.
- Welcomed and served children on the autism spectrum families at the Autism of Greater Orlando's Annual Halloween Party.

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 ERD diagram corresponding to the application's database.
- Used SQL queries to filter out users with special access which will approve or deny event creation.

File-Server Project – *Computer Communication Networks* - **School Project**
- Programmed a file server in Linux Environment using C language.
- Stablished UDP server to send a file requested by a client and displayed transfer progress.

Asteroids Game – Personal Project
- Programmed an asteroids game in Java, implemented as a GUI application using 3 different Java classes.
- Created a sandbox in which the user can launch missiles to destroy asteroids while generating a score and triggering sounds.

OpenGL 3D Rendering – Personal Project
- Used C++ programing language to create 3D vector graphics of a 2D image.
- Applied texture, shade and depth to generate a detailed 3D render.

Launchpad LED Display – Personal Project
- Designed a circuit using a MSP430 launchpad, a breadboard, six LEDs, and 6 resistors(1kΩ).
- Programmed the LEDs to flash at a predetermined sequence by generating delays at different rates.

Air-Glider Model- *Engineering leadership and Innovation Institute* – **Team Project**
- Designed an air-glider on AutoCAD, engineered the design by using a 3D printer.
- Showcased project throughout Engineers Week events.

Portfolio Website – **Personal Project**
- Created my own portfolio website from scratch using HTML5, CSS3 and JavaScript.
- Utilized flexbox layout to create a responsive design across devices.
- Documented and updated code changes using Git.

CERTIFICATIONS & AWARDS

5 Keys Recognition
- Awarded with "Courtesy" and "Efficiency" keys by Pop Century Resort's manager Joanne Gotay.   Nov. 2021

Amazon Educate Program
- AWS Cloud Practitioner Certification   May. 2020
- AWS Data Analytics Certification   Jun. 2020
- AWS Machine Learning Certification   Jul. 2020

Ryerson Invitational Thrill Design Competition (RITDC). – *Themed Entertainment Association (TEA)*   Jul. 2018
- 3rd place Land Design.
- 3rd place Experience design.

SKILLS

- **Programming:** C++, C, Python, Java, SQL, PHP, JavaScript, HTML5, CSS3, R.
- **Computer:** AutoCAD, SolidWorks, MATLAB, Eagle, Arduino, Linux, GitHub, Jupyter notebook, MS Office.
- **Language:** Fluent in English and Spanish.
- **Photography**: 5-year experience on Portrait, Landscape and commercial photography.

EDUCATION

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