CARLOS SANCHEZ

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Professional Summary

A hardworking and reliable Network Engineer focused on going above and beyond to support the team and serve customers. Trained as a CCNA and offering top-notch networking abilities. Motivated to continue to learn and grow as a IT professional.

Certifications

Cisco Certified Network Associate (CCNA): Routing and Switching, from 02/2020 to 02/2023
Cisco Certified Entry Networking Technician (CCENT): from 02/2020 to 02/2023

Education

Associate of Science: Network Engineering, Jul 2022
Pasadena City College - Pasadena, CA
- Awarded Occupational Certification as CCNA Routing and Switching
- Obtained CCNA- Routing and Switching

Bachelor of Science: Physics, June 2014
California State University - Los Angeles, CA
- Double major in Chemistry.
- Volunteer in Solid State Physics laboratory .

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California State University - Los Angeles, CA
- Double major in Physics.

Experience

Microscopist, 03/2016 to Current
EMSL Analytical, Inc (LA Testing) – South Pasadena, CA
- Used microscopes to examine and accurately classify fungal spores
- Used Heterotrophic Plate Count and membrane filtration to quantify bacterial counts
- Trained in identification of bacteria by Gram stain and Biolog
- Used FAAS to quantify lead (Pb) in different matrices
- Taught junior employees how to perform tasks such as fungal quantification and bacterial analyses.
- Met targets consistently by working hard and with strong attention to detail.

Semiconductor Technician, 01/2016 to Current
ImagerLabs – Monrovia, CA
- Packaged CMOS sensors used for Electron Microscopy using a techniques such as wire bonding, die and

printed-circuit board attachments.

- Met targets consistently by working hard and with strong attention to detail.

Lab Technician and physics tutor, 01/2014 to 10/2016
Pasadena City College – Pasadena, CA

- Tutored students in elementary physics topics such as classical mechanics, thermodynamics, electricity and magnetism and quantum mechanics.
- Monitored use of materials and Instruments and maintained correct inventories for each material stored and used in laboratory.
- Demonstrated competencies in preparing experimental designs for students

Chemist, 12/2014 to 03/2016
Micron Environmental Labs – El Monte, CA

- Used FAAS to quantify lead (Pb) in different matrices
- Characterized waste using TTLC, STLC and TCLP.
- Used microscopes to examine and accurately classify fungal spores, fibers by Phase Contrast Microscopy, and asbestos by Polarized Light Microscopy.
- Completed quality-control tests and maintained equipment to keep results reliable and precise.

Skills

- Programming Languages: Cisco CLI(1 year), Java (1 year), Python (<1 year), C++ (<1 year), HTML5, Javascript
- Protocols: STP, TCP/IP, DHCP, IPV6

- Instrumentation: FAA-MS, ICP-MS, GC-MS, IR, NMR, HPLC, Experimental Optics, Basic Electronics, DMM, Oscilloscope, etc.

- Routing Protocols: OSPF , EIGRP, RIP

- Other IT Experience: Microsoft Servers (Less than 1 year), LAN, WAN, VPN, Load Balancing, Windows OS, Mac OS, Microsoft Office, DNS, Active Directory, VPN, VLAN, Trunking, Port Security,
- Foreign Languages: Spanish(Fluent), French(Conversational), Mandarin(Conversational)

Publication

E. Sharoyan et al., "Ferromagnetism of Nanographite Structures in Carbon Microspheres," in IEEE Transactions on Magnetics, vol. 52, no. 7, pp. 1-3, July 2016, Art no. 2300803, doi: 10.1109/TMAG.2016.2527792. https://ieeexplore.ieee.org/document/7404022