

Walker Escobar

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SUMMARY

Dedicated Computer Science student passionate about network automation and performance. Developed solutions enhancing deployment speed in collaborative environments. Skilled in scripting (Python, Perl) within Unix/Linux contexts and implementing efficient network standards. Proven ability to work interactively with stakeholders throughout project lifecycles. Focused on delivering high-quality results that maintain compliance with established protocols. Whether through academic or hands-on projects, a commitment to advancing skills in networking fundamentals is clear.

EDUCATION

Bachelor's Degree in Computer Science

2027

University of California, Los Angeles GPA: 3.8

Los Angeles, CA

Coursework: Networking, Systems Programming, Database Management, Web Development

TECHNICAL SKILLS

- **Scripting Languages:** Python, Perl, JavaScript
- **Networking Technologies:** BGP, OSPF, IP Networking
- **Version Control Systems:** Git, SVN
- **Documentation Tools:** Markdown, Confluence, Wiki
- **Operating Systems:** Linux, Ubuntu, CentOS
- **Development Frameworks:** Django, Flask
- **Project Management:** Agile, Scrum, Waterfall
- **Network Security:** Firewall, VPN, IDS/IPS
- **Virtualization Platforms:** VMware, VirtualBox, KVM
- **Cloud Services:** AWS, Azure, Google Cloud

SKILLS

- Linux
- BGP
- Automation
- Network Standards
- Python
- OSPF
- Documentation
- Deployment Processes
- Perl
- Git
- Agile Methodologies
- Scripting Languages
- JavaScript
- Network Design
- Problem Solving
- Troubleshooting

EXPERIENCE

Network Automation Developer

January 2026 - Present

University Project

Remote

Focused on developing automated deployment tools for network infrastructure using Python. Enhanced deployment efficiency while ensuring adherence to best practices in network management. Actively participated in teamwork, fostering collaboration among peers for better outcomes.

- Created an automated deployment tool increasing deployment speed by 30%.
- Collaborated to establish network standards documentation, ensuring compliance with industry protocols.
- Conducted thorough testing of configurations in simulations, improving reliability before real-world application.
- Delivered project findings to faculty, earning recognition for comprehensive presentations and insights.
- Assisted in troubleshooting network issues during hackathons, boosting participant satisfaction.
- Used Git for version control, streamlining collaboration and project updates among team members.

Linux Systems Intern

September 2025 - December 2025

University Research Lab

Los Angeles, CA

Supported administration of Linux servers managing resources for academic research and experimentation. Contributed to improving server efficiency through scripting and problem-solving methodologies.

- Managed Linux servers underlying several academic projects, focusing on security and functionality.
- Automated routine tasks via Bash and Python scripts, cutting down manual workloads significantly.
- Collaborated with researchers leading to successful publication details regarding network performance.
- Addressed user connectivity issues proactively to enhance accessibility and experience of lab users.
- Engaged effectively in weekly discussions contributing insights on ongoing enhancements.

- Documented all processes related to server management creating a reference resource for incoming interns.

Network Solutions Team Member

April 2025

Hackathon Project

Remote

Contributed as part of a team designing an innovative prototype network management application aimed at small businesses. Focused on real-time analytics on network operations and responsiveness based on hands-on interaction.

- Developed key application features using JavaScript facilitating real-time network performance monitoring.
- Effectively showcased the application during competitions, receiving feedback for continued improvement.
- Led user testing efforts structuring design adjustments based on user input, clarifying requirements.
- Implemented Agile practices to assure timelines met alongside efficient deliverables.
- Celebrated for teamwork showcasing both individual contributions and overall project success.
- Secured second place highlighting technical capacity and cooperative planning.

LEADERSHIP & AWARDS

- UCLA Dean's List
- Hackathon Best Prototype Award

CERTIFICATIONS

- CompTIA Network+ 📅 2026
- Cisco Certified Network Associate (CCNA) 📅 2026

PROFESSIONAL AFFILIATIONS

- Member of ACM (Association for Computing Machinery)
- Volunteer, Code.org

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST