

# Connor Huff

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## SUMMARY

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Current Computer Science student ready to contribute with a solid background in network configuration, troubleshooting, and documentation. Extensive hands-on experience gained through academic projects aligned with industry standards. Proficient in BGP and OSI model fundamentals, actively progressing towards CCNA certification. Eager to collaborate with seasoned engineers, improving individual skills while positively impacting Cloudflare's network performance and reliability.

## EDUCATION

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### Bachelor of Science in Computer Science

University of Texas at Austin GPA: 3.8

2027

Austin, TX

*Coursework: Networking, Operating Systems, Algorithms, Database Management*

## TECHNICAL SKILLS

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- **Configuration Management Tools:** Cisco IOS, Junos, Ansible
- **Network Testing Tools:** Wireshark, Nagios, SolarWinds
- **Scripting Languages:** Python, Bash, PowerShell
- **Documentation Standards:** Markdown, Confluence, LaTeX
- **Operating Systems:** Linux, Windows, macOS
- **Monitoring Platforms:** Grafana, Prometheus, Zabbix
- **Network Protocols:** BGP, OSPF, IPv4, IPv6
- **Virtualization Technologies:** VMware, VirtualBox, Docker
- **Incident Management Tools:** JIRA, ServiceNow, PagerDuty
- **Network Security Procedures:** Access Control, Firewalls, VPN

## SKILLS

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- Network Configuration
- Documentation
- OSI Model
- Cisco
- Troubleshooting
- BGP
- Python
- Juniper

## EXPERIENCE

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### Network Configuration Intern

University Project

January 2026 – June 2026

Austin, TX

Supported provisioning and configuration of network hardware for a simulated enterprise setup, enhancing practical skills. Engaged in robust collaboration through triaging network issues and ultimate resolution leveraging specialized tools. Developed comprehensive operational documents to facilitate knowledge sharing among team members and participated in structured troubleshooting sessions under faculty guidance.

- Assisted in setting up and configuring key network infrastructure components using industry-standard playbooks.
- Monitored performance metrics to recognize non-critical faults, documenting findings to improve overall reliability.
- Collaborated effectively with peers during issue triage, enhancing problem resolution processes.
- Created streamlined operational documents and runbooks improving team efficiency in knowledge sharing.
- Participated in troubleshooting exercises with senior faculty, strengthening diagnostic competencies related to BGP.
- Delivered project presentations highlighting technical outcomes and operational excellence to peer review panels.

### Network Operations Research Assistant

Academic Research

September 2025 – December 2025

Austin, TX

Conducted research on innovative network automation tools, analyzing effectiveness in enhancing real-time fault tracking. Developed Python scripts tailored to automate routine networking jobs, thereby refining workflows. Outlined findings in detailed reports suggesting actionable enhancements based on extensive evaluation, participating further in conference presentations that showcased research achievements.

- Evaluated several network automation solutions, documenting performance impacts and efficacy in live environments.
- Developed automation scripts in Python, proving effective in optimizing repetitive network operations.
- Crafted detailed analytical reports summarizing insights gathered from coverage on various network-enhancement techniques.
- Presented project findings collaboratively to academic peers, fostering engagement and discussion.
- Engaged in extensive lab work that culminated in significant troubleshooting practice using different operating systems.
- Published methodologies and insights in papers targeted toward academic journals and peer-reviewed conferences.

## Network Security Simulation Developer

January 2025 – May 2025

### Capstone Project

*Austin, TX*

Engineered a simulated environment to investigate security protocols' effects on network performance, utilizing equipment by Cisco and Juniper. Identified vulnerabilities and mitigation strategies as part of a group effort alongside academia, generating a presentation that demonstrated the success of security enhancements upon various tests.

- Designed and executed a complex simulation environment testing multiple security protocols against standard network functions.
- Applied real-world networking tools, assessing security measures' viability in hypothetical scenarios.
- Contributed significantly to team discussions, providing feedback to help refine project scope and clarity.
- Produced comprehensive supporting documents monitoring development and possible future implications for ongoing research.
- Led final demonstrations, showcasing project objectives and outcomes compellingly.
- Facilitated substantive learning experiences through peer reviews that improved team output.

## LEADERSHIP & AWARDS

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- Dean's List, University of Texas at Austin (2024, 2025)
- First Place, University Hackathon (2025)

## CERTIFICATIONS

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- CCNA 📅 2026
- CompTIA Network+ 📅 2025

## PROFESSIONAL AFFILIATIONS

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- Member, Computer Science Club (2024 – Present)
- Volunteer Tutor, Peer Mentor Program (2025 – Present)

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST