

# Caden Collier

## Optical Network Engineer

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### SUMMARY

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Results-driven Optical Network Engineer with over 4 years of extensive experience in network operations and support, specializing in deployment and management of DWDM technologies. Proven expertise in troubleshooting optical systems, complemented by a strong foundation in network analysis. Skilled in utilizing advanced optical planning tools and methodologies to enhance network performance and reliability. Adept at collaborating with cross-functional teams to deliver optimal optical solutions that meet business needs. Eager to leverage knowledge and skills in new challenges, ensuring continuous improvement in the optical networking space.

### EXPERIENCE

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#### Optical Network Engineer

OptiWave Solutions 📅 April 2022 - Present 📍 Seattle, WA

Oversaw large-scale DWDM networks deployment, ensuring excellent operational performance and customer satisfaction. Played a crucial role in network optimization using advanced modeling techniques.

- Led DWDM network deployments that improved bandwidth capacity significantly.
- Utilized optical modeling tools for configuration analysis, reducing latency.
- Troubleshot DWDM systems within strict service-level agreements; maintained uptime metrics.
- Collaborated on automation solutions, enhancing overall network efficiency.
- Maintained architecture documentation to comply with industry standards.
- Trained junior engineers on fundamentals of optical networking and best practices.

#### Network Engineer

FiberNet Technologies 📅 January 2020 - March 2022 📍 Portland, OR

Managed projects for large-scale optical networks, fostering seamless infrastructure transformations. Excelled at analyzing network protocols to improve data traffic flow.

- Managed rollout of large-scale optical networks, integrating with existing systems.
- Analyzed performance leveraging BGP, OSPF protocols for traffic optimization.
- Enhanced optical transmission systems, boosting data transfer rates remarkably.
- Developed monitoring tools to enable proactive issue resolution.
- Coordinated stakeholder meetings for translating requirements into tech solutions.
- Contributed to cross-departmental initiatives aimed at improving network quality.

#### Junior Network Engineer

Quantum Networks 📅 June 2018 - December 2019 📍 Tacoma, WA

Supported deployment and upkeep of DWDM systems, achieving commitment to uptime and enhanced learning opportunities. Collaborated actively to welcome new advancements in optical technology.

- Assisted in deploying DWDM systems, increasing network capacity effectively.
- Conducted maintenance for optical lines, reaching high uptime targets.
- Provided support training for junior staff on networking protocols.
- Engaged in project documentation to facilitate team knowledge sharing.
- Steered training material development on optical troubleshooting strategies.

### LEADERSHIP & AWARDS

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- Certified Optical Network Professional (CONP) - 2026
- Cisco Certified Network Associate (CCNA) - 2025

### EDUCATION

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#### Bachelor's Degree in Telecommunications Engineering

University of Washington 🎓 GPA: 3.9 📅 2026 📍 Seattle, WA

*Coursework: Network Design, Optical Systems, Wireless Communications, Telecommunications Policy*

### CERTIFICATIONS

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- Certified Optical Network Professional (CONP) 📅 2026

- Cisco Certified Network Associate (CCNA) 📅 2025

## TECHNICAL SKILLS

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- **Optical Technologies:** DWDM, SONET, Optical Planning Tools
- **Networking Protocols:** BGP, OSPF, TCP, IPv4, IPv6
- **Network Monitoring Tools:** NetFlow, SNMP, TACACS
- **Virtual Private Networks:** IPSec, VPN technologies
- **Transmission Systems:** OC3, OC48, DS1, DS3
- **Troubleshooting Techniques:** Latency Reduction, Uptime Optimization
- **Documentation Standards:** Technical Writing, Compliance Specifications
- **Automation Technologies:** Scripts, Monitoring Platforms
- **Quality Improvement Methods:** Continuous Integration, Process Optimization
- **Team Collaboration Tools:** Slack, Project Management Software

## SKILLS

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|---------------------------|--------------------|--------------------------|----------|
| • Optical Networking      | • Automation       | • SONET                  | • TACACS |
| • DWDM Deployment         | • Network Analysis | • Optical Planning Tools | • IPSEC  |
| • Network Troubleshooting | • BGP              | • IPv4 & IPv6            | • DNS    |
| • Optical Transmission    | • OSPF             | • TCP                    |          |

## PROFESSIONAL AFFILIATIONS

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- Member, Optical Networking Association - Since 2022
- Volunteer, STEM Outreach Program - 2021 to Present

## LANGUAGES

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- English (Native) • Spanish (Proficient)

## 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