

# Cesar Shaw

☎ (617) 555-0123

✉ cesar.shaw@email.com

🌐 linkedin.com/in/cesarshaw

📍 1234 Elm Street, Boston, MA 02115

## SUMMARY

Motivated 5G/LTE Network Engineer with a solid academic background in telecommunications. Skilled in deploying and configuring LTE and 5G networks, from lab integration to live deployment. Conducted thorough protocol analyses and performance monitoring, ensuring seamless operations of mobile infrastructures. Worked collaboratively on projects, developing scripts for automation in Python and Bash. Created comprehensive documentation which became vital for project continuity and knowledge transfer. Eager to contribute enthusiasm, problem-solving skills, and technical know-how to new challenges while actively participating in a dynamic team environment.

## EXPERIENCE

### Student Network Engineer

September 2025 - June 2026

University Research Lab

Cambridge, MA

Worked in a research capacity, supporting the integration and troubleshooting of LTE systems in a collaborative lab environment. Engaged in various projects that enhanced understanding of network configurations.

- Developed and configured LTE eNodeB in lab environments, working across engineering teams for optimal integration.
- Conducted detailed analysis of protocol traces, identifying key signaling issues to improve communication reliability.
- Monitored network KPIs, performing root-cause analysis on connectivity problems to maintain operational efficiency.
- Created Python scripts to assist in data collection processes, improving workflow efficiency significantly.
- Documented technical procedures and designs through diagrammatic representations to support further research efforts.
- Actively contributed to discussions on 5G standards, promoting awareness of emerging technologies and industry specifications.

### 5G Solutions Developer

January 2026

Hackathon Project

Remote

Collaborated on an innovative prototype for 5G network monitoring using AI technologies, focusing on performance metrics.

- Engineered a prototype that utilized AI for detecting anomalies in network performance, streamlining monitor processes.
- Built and executed Bash scripts for data collection, contributing to real-time analysis of system performance.
- Performed rigorous tests and validations on network components, ensuring adherence to performance standards and compliance.
- Presented complex findings and strategy proposals effectively to a panel of industry experts during the event.
- Compiled a detailed report on project outcomes highlighting performance evaluations and market prospects.
- Recognized for exceptional teamwork and delivering innovative solutions throughout the hackathon experience.

## LEADERSHIP & AWARDS

- Dean's List, Boston University (2024)
- 1st Place, National Telecommunications Hackathon (2026)

## EDUCATION

### Bachelor's Degree in Telecommunications

2026

Boston University GPA: 3.7

Boston, MA

**Coursework:** Network Management, Mobile Communications, Data Analysis, Wireless Systems

## CERTIFICATIONS

- Python for Everybody 📅 2026
- Linux Command Line Basics 📅 2026

## TECHNICAL SKILLS

- **Networking Protocols:** S1AP, NGAP, X2AP, GTP-U
- **Operating Systems:** Linux
- **Scripting Languages:** Python, Bash
- **Analysis Tools:** Packet Tracer, Wireshark
- **Documentation Tools:** Microsoft Word, Visio, Google Docs
- **Project Management Tools:** Trello, Asana
- **Monitoring Tools:** NetStorm, Spectrum
- **Configuration Management:** Ansible, Puppet
- **Cloud Technologies:** AWS, Azure

- **Database Management:** SQL, NoSQL

### SKILLS

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- LTE/5G Network Architecture
- Python
- Linux
- Data Analysis
- Protocol Analysis
- Network Configuration
- Technical Documentation
- Scripting
- Performance Monitoring
- Problem Solving
- Communication Skills
- Collaboration
- Root-Cause Analysis
- Lab Integration
- Project Management

### PROFESSIONAL AFFILIATIONS

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- Member, University Telecommunications Club (2024 - Present)
- Volunteer, Tech for Good – Community Internet Access Initiative (2025)

### 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