

Jaylen Callahan

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SUMMARY

Proactive Computer Science student eager to bring fresh perspectives and a strong technical foundation to BrightTech Solutions. Experience managing data center operations for academic projects, accompanied by solid communication skills and commitment to teamwork. Proven ability to learn quickly through hands-on engagement with IT systems and networking technologies during university research and team initiatives. Enthusiastic about optimizing operational efficiency in data center environments, asking insightful questions while striving for excellence. Excited to contribute knowledge from simulations and relevant coursework, enhancing practical skills within a vibrant corporate atmosphere.

EDUCATION

Bachelor's Degree in Computer Science

2026

New York University GPA: 3.8

New York, NY

Coursework: Data Structures, Networking Technologies, Systems Management, Database Systems

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++
- **Database Management:** SQL, Oracle, MongoDB
- **Networking Tools:** Wireshark, Cisco Packet Tracer, NetCat
- **Data Visualization Tools:** Tableau, Power BI, Excel
- **Web Technologies:** HTML, CSS, JavaScript
- **Cloud Computing:** AWS, Azure, Google Cloud Platform
- **Agile Methodologies:** Scrum, Kanban, Lean
- **Collaboration Tools:** Trello, Asana, Slack
- **Operating Systems:** Windows, Linux, macOS
- **Computer Hardware:** Server Setup, RAID Configurations, Virtualization

SKILLS

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|---------------------------|---------------------------|--------------------------|--------------------------|
| • Data Center Operations | • Team Collaboration | • Project Management | • Presentation Skills |
| • Networking Technologies | • Technical Documentation | • Research Methodologies | • Operational Efficiency |
| • Server Configuration | • Data Analysis | • System Design | • Customer Engagement |
| • Python & SQL | • Performance Testing | • Troubleshooting | |

EXPERIENCE

Data Center Operations Coordinator

January 2026 - Present

University Project

New York, NY

Oversaw a capstone project enhancing data center energy efficiency, collaborating closely with faculty and industry leaders to bridge theoretical models with practical applications. Managed timelines effectively while ensuring all project goals aligned with real-world standards and expectations. Developed innovative software solutions designed for monitoring server performance, which improved operational decision-making. Leveraged Python and SQL for detailed data analysis and reporting, resulting in valuable insights delivered to supervisors.

- Led a cross-functional team in optimizing data center operations utilizing sustainable practices.
- Developed prototypes integrating analytics for server performance, generating impactful improvements.
- Coordinated between multidisciplinary teams to align project objectives with technological advancements.
- Presented findings at university forums, receiving commendations for analytical contributions.
- Utilized programming languages for designing systematic workflows enhancing operational processes.
- Consistently met or exceeded project deadlines through strategic planning and resource management.

Network Performance Analyst

September 2025 - December 2025

Academic Research

New York, NY

Participated in a collaborative research focused on analyzing networking technology performance metrics under various simulated conditions. Conducted hands-on experiments that tested different protocols for data transmission reliability and speed, contributing valuable insights into network capabilities. Collaborated with peers to disseminate research findings via formal presentations, influencing discussions on future networking innovations.

- Analyzed performance of networking technologies, revealing strengths and weaknesses in controlled environments.
- Designed comprehensive experiments testing the feasibility of various data transmission methods.

- Presented research outcomes at an annual tech symposium attended by industry professionals and academics.
- Utilized advanced tools like Wireshark for effective data collection and technology evaluations.
- Contributed academically towards publications highlighting critical trends in networking technology.
- Documented procedures and findings for submission to engineering journals, showcasing rigorous methodology.

LEADERSHIP & AWARDS

- Received Dean's List recognition for outstanding academic performance.
- Awarded Best Capstone Project for innovative solutions in data center operations.

CERTIFICATIONS

- CompTIA A+ 📅 2025
- Cisco Certified Network Associate (CCNA) 📅 2025

PROFESSIONAL AFFILIATIONS

- Member of the Computer Science Student Association, engaging in industry workshops.
- Participant in hackathons promoting collaboration and creative problem-solving skills.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST