

About Dr. Sean Sanders

Assistant Professor of Cybersecurity at Illinois State University

School of Information Technology



Academic Background

PhD in Computer Science and Engineering

State University of New York at Buffalo (2022-2024)

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Masters in Computer Science and
Engineering

State University of New York at Buffalo (2017-2022)

Masters in Computer Networking

Rochester Institute of Technology (2014-2016)

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Thesis: Private cloud deployment with docker and
kubernetes

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Bachelors in Computer Information Systems

Buffalo State College (2012-2014)

Research Interests

Blockchain & Cybersecurity

Exploring blockchain applications for security, including smart contracts and fraud detection frameworks

Compiler Frameworks

Developing techniques for malware detection using compiler frameworks and static/dynamic analysis

Psychological Profiling

Studying hacker psychology, dark traits, and economic incentives in cybersecurity contexts



Outside School Interest



Longboarding & Electric Scooter Riding

Embracing outdoor activities and urban exploration.



Woodworking

Engaging in creative craftsmanship and hands-on projects.



Computer Gaming

Immersing in online gaming.



Traveling

Discovering new cultures and exploring diverse landscapes.

Industry Experience



Praxair (2013-2014)

- Programming and application testing
- Documentation expert for point of sales systems
- Helium Project: Documented security systems for truck tracking in Brazil and U.S.
- Produced operator guides for system interaction

This industry experience complements my academic background, providing practical insights into real-world security challenges.

Job Market and Analysis Tools



 www.cyberseek.org



CyberSeek

Empowering Careers in Cybersecurity: Close the cybersecurity talent gap with interactive tools and data



National Initiative for Cybersecurity Careers and Studies



Cyber Career Pathways Tool

Interactively explore the NICE Cybersecurity Workforce Framework according to five distinct skill communities and attributes for 52 work roles.



www.payscale.com



Cyber Security Salary | PayScale

Cyber Security – Salary – Get a free salary comparison based on job title, skills, experience and education. Accurate, reliable salary and compensation comparisons for United States