

# Juliano Alves de Souza

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## CYBERSECURITY ADJUNCT FACULTY INSTRUCTOR

Highly insightful, deeply motivated, and detail-oriented professional with a robust background in IT support, system security, and cybersecurity education, now enhanced by expertise in Artificial Intelligence (AI) applications within cybersecurity. Proven success in academic and technical settings, adept at empowering students and faculty through hands-on technology labs, cybersecurity certification preparation, and system administration, with a forward-thinking approach to integrating AI-driven security solutions and concepts. Committed to cultivating future IT professionals by seamlessly blending real-world experience with rigorous academic instruction, including the development of curriculum that incorporates AI methodologies and tools alongside industry certifications like CompTIA and EC-Council. Multilingual with exceptional verbal and written communication skills, and a collaborative team player who excels in student-centered learning environments, fostering an understanding of the transformative potential of AI in the cybersecurity landscape.

### Areas of Expertise:

- Network and systems security
- Research and Development
- Regulatory Compliance
- Cost benefits analysis
- Policy Planning / Implementation
- Procedural Design & Audit
- Data Integrity / Disaster Recovery
- Risk Assessment / Impact Analysis
- Contingency Planning
- Technical Specifications Development
- Budget Management
- Training and Project Leadership

## TECHNICAL PROFICIENCIES

Platforms: Windows 9x/NT/2000/XP/Vista, Mac OS, Microsoft Office Suite, Windows (1x), Windows Server 20xx, Hyper-V, ProxMox, Linux, Mac OS, Zoom, Teams, CISCO Net Academy.  
Networking: LAN / WAN Administration, VPN, TCP/IP, SMS/SQL, 100BaseT, Ethernet, SecureID.  
Languages: UNIX Shell Scripting, Python, HTML, HTMLi, Java, JavaScript, PHP, Visual Basic, CSS, C#.  
Tools: LAN Manager, Firewall, Virus Protection Utilities, HP OpenView, Network, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Office 365 (2021), MS Access, MS Project, Open VAS, Maltego, Wireshark, Tableau, Visio, BIAS, Gantt Chart.  
Certifications: CompTIA Tech+, CompTIA A+ (pursuing), CompTIA AI Essentials, Ethical Hacking, Digital Forensics, Network Defense, Certified Security Specialist.

## PROFESSIONAL EXPERIENCE

### Adjunct Professor, Senior Technical Assistant, Program Specialist Westchester Community College, Valhalla, NY

2020 – 2025

- Combined technical expertise and instructional support to enhance IT operations and student learning experiences. Manage student onboarding through Active Directory (AD), ensuring secure access and seamless integration into college systems, and utilizing ServiceNow to efficiently track and resolve technical support issues.
- Provide first-line support for software, hardware, and network troubleshooting, while assisting faculty in delivering hands-on instruction for non-credit IT and cybersecurity courses. These courses, offered through the Jobstar program, utilize CompTIA and TestOut platforms to prepare students for industry-recognized certifications.
- Serve as a lab technician and proctor for EC-Council and National Healthcare Administration Certification Exams, maintaining a secure and compliant testing environment. In a leadership capacity as Program Specialist for Project Transition, oversees the coordination and delivery of two program sessions annually.
- Recently led AI Fundamentals workshops totaling over six hours across two days, introducing foundational concepts in artificial intelligence to support digital literacy and workforce development. Overall responsibilities span technical configuration, educational support, and project coordination, demonstrating the ability to align technical solutions with student-centered outcomes.
- Proctoring National Healthcare Administration Certifications, TABE, EC-Council Exams.
- Adjunct Professor for CompTIA TECH+ and Microsoft Office 365.
- Conducted AI Fundamentals workshops (6+ hours) digital literacy and foundational AI awareness.

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- Participating as Senior T.A. for no credit classes on different projects: PDC, Project Transition.
- Math college Tutor via zoom - supporting multiple academic levels and platforms.
- Record and track user queries and issues in a help desk ticket system using ServiceNow.

**Tutor**, Southern New Hampshire University, Learn to be Platform 7 (Remote) 2024-2025

- Tutoring and coaching math and basic sciences with a strong emphasis on applied problem-solving, building student confidence in STEM topics. 120 Hours.
- Support provided remotely across the U.S. via Zoom

**Web Designer**, Southern New Hampshire University, Manchester grows (Remote) 2024-2026

- Design, develop, and maintain user-centered web interfaces aligned with the university's branding and accessibility standards.
- Utilize HTML, CSS, JavaScript, and responsive design frameworks to enhance usability across desktop and mobile platforms. Conduct user experience (UX) evaluations and implement iterative improvements based on feedback and performance metrics.
- Ensure compliance with WCAG accessibility guidelines and optimize pages for Search Engine Optimization and performance. Support the university's digital presence by integrating educational technologies and multimedia components to enhance student engagement.

**IT Consultant, Tektools Inc., Blauvelt, NY** 2023-2025

Delivered consulting services to a diverse client base with a focus on system optimization, security enhancement, and strategic IT planning. Led the implementation of innovative technologies and streamlined IT operations to increase performance and reliability. Provided desktop support, performed system installations, and resolved a wide range of technical issues to ensure business continuity. Conducted technical training sessions to equip clients with the knowledge and tools necessary to effectively manage their IT environments and overcome operational challenges.

- System Optimization & Security Enhancement
- Client Training & Satisfaction Improvement 2Hs/week

**MVHS, CTE Teacher, Mount Vernon, NY (FT)** 2025 – Present

Results-driven educator transitioning into a technology teaching role for grades 7-12, beginning August 2025. With a focus on innovative instructional design and curriculum development, I am poised to implement a dynamic learning environment centered on STEM principles and digital literacy. Proven ability to cultivate strong student engagement and prepare learners for future careers by integrating project-based learning and industry-relevant skills, using Net Academy from Cisco Network, instructing students in IT, Networking and Cybersecurity principles.

- **Instructional Design & Delivery:** Designed and will implement a comprehensive technology curriculum for grades 7-12, focusing on key areas such as coding, robotics, and digital media production to foster 21st-century skills.
- **Student-Centered Learning:** Pioneering the integration of project-based learning to empower students to solve real-world problems through hands-on technology applications, driving high levels of engagement and critical thinking.
- **Educational Technology Integration:** Implementing advanced ed-tech platforms and tools to create an inclusive and dynamic classroom, using data-driven insights to personalize learning paths and ensure all students achieve mastery.
- **Collaborative Curriculum Leadership:** Partnering with school leadership and faculty to align technology courses with broader STEM education goals, establishing a cohesive and progressive pathway for students from middle school through graduation.

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**Data Migration Specialist, The Hoover Institution, Stanford University, CA (Remote)** 2021 – 2024

Led data migration initiatives, ensuring seamless data transfer and system integration. My exceptional project management and technical expertise in this area earned me a promotion to Data Migration Specialist in November 2022. In this role, I continued to drive successful data migration projects, demonstrating my ability to manage complex technical tasks while contributing effectively to high-profile research projects. Recruited to support the research efforts for the Henry Kissinger biography under the supervision of writer Niall Ferguson, Specialized in archival research with a focus on Spanish and Portuguese languages.

- Enhanced Research Accuracy
- Seamless Data Integration

**LANGUAGES:** Fluent in Portuguese, Spanish and English

## EDUCATION & CREDENTIALS

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**MS – Cybersecurity Concentration in IT Management**, Southern New Hampshire University Graduated/26

- Cumulative GPA: 3.94, Honor Roll, President's List

**BS – Cybersecurity concentration in Data Analyst**, Southern New Hampshire University Graduated/24

- Cumulative GPA: 3.87, Honor Roll, Presidents List, Summa Cum Laude

**AAS-Cybersecurity**, Suny Westchester Community College Graduated/22

- Microsoft Cybersecurity Scholarship Winner
- PepsiCo Scholar Cybersecurity Award Winner
- Cumulative GPA 3.77

**Certificate Cybersecurity**, Westchester Community College Graduated/21

- Network security, threat detection, and risk management protocols to protect organizational assets.
- Gained hands-on experience in identifying vulnerabilities and implementing defensive strategies, including encryption, firewall configuration, and incident response procedures.
- Security frameworks and best practices to ensure data integrity, confidentiality, and availability in alignment with global regulatory requirements.
- Cumulative GPA 3.17

## PROFESSIONAL CERTIFICATION

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- NY Teacher in Technology Certificate 7-12 grades
- CompTIA TECH+
- CompTIA A+ (pursuing)
- CompTIA Security+ and CCNA (pursuing)
- CompTIA AI Essentials
- Databricks - Generative AI
- EC-Council - CSS-Certified Security Specialist
- EC-Council - EHE-Ethical Hacking
- EC-Council - DFE-Digital Forensics
- EC-Council - NDE-Network Defense

## PROFESSIONAL DEVELOPMENT

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**Member**, National Society of Leadership and Success – NSLS

**Author**, Cyber AI+ — A forthcoming book exploring the intersection of artificial intelligence and cybersecurity, launching September 2025.

**Merit page**, <https://meritpages.com/JulianoDeSouza>