

## CURRICULUM VITAE

**Tamisha A. Rose**

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### PROFESSIONAL SUMMARY

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Information Security Analyst and University Lecturer with expertise in cybersecurity, cloud computing, and digital forensics. Demonstrated experience designing hands-on, lab-driven curricula that emphasize applied learning, structured assessment, and real-world problem solving. Experience includes developing structured instructional materials and assessment frameworks suitable for replication, evaluation, and cross-institutional adoption. Committed to advancing student engagement through experiential learning, cybersecurity competitions, and industry-aligned training environments.

### EDUCATION

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#### **Master of Science, Computer Science**

Governors State University, University Park, Illinois

Focused study in cybersecurity, networking, and software systems.

#### **Bachelor of Science, Computer Science**

Governors State University, University Park, Illinois

### PROFESSIONAL EXPERIENCE

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#### **University Lecturer**

*Governors State University, University Park, Illinois | January 2014 - Present*

Design and deliver undergraduate and upper-level courses in cybersecurity, cloud computing, and information technology. Develop hands-on lab environments and structured assignments that support applied learning and measurable student outcomes.

- Designed and implemented scenario-based labs, worksheets, and rubric-driven assessments to enhance student engagement and accountability.
- Designed instructional materials and assessment artifacts, including labs, worksheets, and rubrics, that support replication and evaluation across course sections.
- Integrated industry-aligned platforms and tools to support practical skill development in cloud computing and cybersecurity.
- Integrated competition-based learning, such as CTF, NCL, and CyberGames, into coursework to reinforce applied cybersecurity and problem-solving skills.
- Developed structured course materials using web-based formats using HTML/CSS to improve accessibility, consistency, and scalability across course sections.
- Facilitated active learning through case studies, simulations, and guided technical exercises.

#### **Business Architect, Security Identity Management**

*Accenture, Chicago, Illinois | January 2022 - December 2023*

Collaborated with AI & Data Insights Delivery Team to develop Power BI visualizations integrated with business processes, enhancing data interpretation and decision-making capabilities.

- Provided consultancy expertise to five corporate clients during pilot phase, guiding project scope delineation and business requirements formulation, achieving 100% adoption rate of recommended specifications.
- Led execution of multiple project phases using agile practices, resulting in 20% reduction in project delivery times and enhanced solution alignment with user needs.
- Implemented risk management framework that preemptively mitigated project threats, reducing cost overruns by 18% and maintaining 98% on-time delivery rate.

### **Security Engineer, Intelligent Cloud Network Stay-Current Initiative**

*Accenture, Chicago, Illinois | February 2020 - January 2022*

Strengthened cybersecurity defenses by leading comprehensive cloud service audits, aligning 30+ cloud services with security requirements and achieving 90% improvement in adherence to cloud security standards.

- Identified and prioritized upgrade of obsolete cloud services, achieving 60% reduction in deployment of outdated technologies within 6-month period.
- Led multi-disciplinary teams through service evaluations, improving project delivery timelines by 15% and enhancing deployment efficiency by 25%.
- Partnered with cloud security team to enforce governance controls, reducing non-compliance incidents by 70% through proactive service version management.

### **Firewall Configuration Lead, Firewall Policy Management**

*Accenture, Chicago, Illinois | August 2016 - February 2020*

Conducted comprehensive evaluation of FireMon security features alignment with enterprise standards, achieving 40% enhancement in security compliance.

- Collaborated with stakeholders to develop customized proof-of-concept solutions for network security requirements, increasing alignment with business objectives by 30%.
- Maintained comprehensive inventory of external-facing firewalls, streamlining audit scope and achieving 20% increase in audit accuracy and efficiency.
- Partnered with security system administrators to ensure secure device integration, achieving 100% adherence to integration standards and 15% decrease in security breaches.

### **Test Analyst, North America Expense Mobilization Program**

*Accenture, Chicago, Illinois | January 2014 - August 2016*

Conducted detailed analysis of expense processes and designed staff capacity model to optimize resource allocation, resulting in 15% reduction in overhead costs.

- Orchestrated collaboration between application and architecture teams to execute comprehensive testing suites, achieving 25% enhancement in project quality outcomes.
- Analyzed test data to identify performance gaps and resolve test phase issues, leading to 30% reduction in critical defects pre-launch.
- Monitored testing phase progression and enforced adherence to schedules, resulting in 10% increase in project delivery efficiency.

## **COURSES TAUGHT**

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Courses incorporate structured labs, scenario-based assignments, and rubric-driven assessment models to support measurable learning outcomes and applied student engagement.

### **Cybersecurity and Information Security**

- **CPSC 4582 - Cryptography and Network Security**  
Covers foundational and advanced cryptographic principles, including number theory, symmetric and asymmetric encryption, hash functions, key management, authentication, access control, and secure communication protocols.
- **CPSC 4583 - Laboratory in Information Security**  
Provides hands-on experience with security systems and tools, including security system configuration, intrusion detection, system auditing, web server security, and communication protocol implementation.
- **CPSC 4584 - Special Topics in Information Security**  
Explores advanced security domains such as database security, operating system security, program security, and wireless security, with emphasis on applied defensive strategies.

## **Digital Forensics**

- **CPSC 4540 - Digital Forensics**

Focuses on digital evidence acquisition, file system analysis, and forensic investigation methodologies using industry-relevant tools and real-world case scenarios.

- **CPSC 4542 - Contemporary Issues in Digital Forensics**

Examines legal, ethical, and emerging issues in digital forensics, including the impact of technology on criminal justice systems and investigative practices.

## **Cloud Computing and Virtualization**

- **IT 4561 - Introduction to Cloud Computing**

Introduces cloud computing concepts and service models, including SaaS, IaaS, and PaaS, with emphasis on architecture, security considerations, and real-world cloud applications.

- **IT 4562 - Special Topics in Virtualization and Cloud Computing**

Covers advanced topics such as virtualization technologies, cloud security, interoperability, performance optimization, and distributed computing environments.

## **IT Foundations and Project Management**

- **IT 3110 - Fundamentals of Information Technology**

Provides foundational knowledge of computer hardware, operating systems, networking, and troubleshooting techniques essential for IT professionals.

- **IT 3310 - IT Project Management**

Introduces project management methodologies, including Agile and traditional frameworks, with focus on scope, risk, communication, and leadership in real-world IT projects.

## **CERTIFICATIONS**

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### **Active / In Progress:**

- AWS Certification Pathway (Cloud Practitioner, Solutions Architect)
- Palo Alto Networks (Cybersecurity Foundations, PCNSA Track) (includes instructional application of NGFW in course labs)
- Fortinet NSE Program (includes applied FortiGate configuration in instructional labs)
- Google Cloud Associate and Professional Tracks
- Microsoft Azure Administrator / Architect Pathway
- CISSP Exam Preparation and Domain Mastery

### **Previously Held:**

- CompTIA Security+

## **STUDENT ENGAGEMENT & COMPETITIVE LEARNING INITIATIVES**

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- Organized and coached students through ACM and course-integrated initiatives for cybersecurity competitions, including Capture the Flag (CTF) and National Cyber League (NCL) preparation.
- Designed and deployed controlled virtual lab environments in NETLAB+ deploying Kali Linux and Metasploitable to support hands-on CTF training and team-based cybersecurity exercises.
- Prepared and coached students for Cisco CyberGames and related industry-aligned cybersecurity competitions through structured lab environments and guided technical exercises.
- Developed competition-aligned exercises reinforcing cryptography, network security, and incident response concepts.

## PROFESSIONAL SERVICE & INSTITUTIONAL ROLES

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- **Advisor, Association for Computing Machinery (ACM) Student Chapter**  
Lead reestablishment and strategic development of the ACM student chapter; oversee student leadership, coordinate technical programming, and design professional development initiatives including workshops, speaker series, and career readiness activities aligned with computing disciplines.
- **Advisor, Upsilon Pi Epsilon (UPE) Theta Chapter**  
Lead recruitment, academic outreach, and induction planning; maintain chapter continuity.
- **Organizer, Professional Speaker Alumni Series**  
Curate cybersecurity and cloud-focused guest experts for student development.
- **Organizer, Tech & Security Student Organization Events**  
Coordinate cybersecurity competitions, hands-on workshops, and networking events.
- **IGNITE Mentor**  
Provide structured academic and professional mentorship to students across IT and CS disciplines.
- **Lead Developer, Multi-Cloud Academic Pilot Programs**  
Establish AWS Academy, Azure Student, and GCP Free Tier for instructional use.
- **Division-Level Virtual Lab Contributor**  
Participate in requirements gathering, vendor evaluation, virtualization planning, and infrastructure alignment.

## INSTITUTIONAL PROJECTS & INITIATIVES

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- Development of Cloud Platforms and Services curriculum integrating Terraform, CI/CD, Kubernetes, IAM, governance frameworks.
- Creation of Enterprise Network Management curriculum emphasizing advanced routing, segmentation, automation, and NGFW.
- Architect of IAM Capstone Project utilizing AWS IAM, CloudTrail, GuardDuty, CloudWatch, and Zero Trust design.
- Integration of multi-cloud lab environments using AWS Academy, Azure Student, GCP Free Tier, VMware, and NETLAB+.
- Contributor to GovState's Azure Virtual Lab requirements and budget planning.
- Lead designer of cloud security lab ecosystems using real-world threat monitoring scenarios.
- Development of Blackboard Ultra instructional templates, multi-tab assignments, and structured learning pathways.
- Coordination of DEI-focused academic initiatives supporting access, equity, and technology readiness.

## PRESENTATIONS & WORKSHOPS

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- Delivered faculty workshops on cloud lab integration, Terraform automation, and hands-on cybersecurity teaching.
- Hosted technical workshops for students on IAM, digital forensics, cloud monitoring, and security operations.
- Coordinated cybersecurity guest lectures addressing AI security, ethical tech leadership, and Zero Trust.
- Led student-focused seminars on career readiness, certification preparation, and professional development.

## **ADDITIONAL ACADEMIC CONTRIBUTIONS**

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- Designed multi-platform lab ecosystems supporting simulations in AWS, Azure, GCP, VMware ESXi, GNS3, NetLab, and Terraform Cloud.
- Developed interactive capstones, real-world problem scenarios, and project-based learning structures across cloud and security domains.
- Integrated NIST frameworks, cloud governance models, Zero Trust, and IAM models into security curriculum.
- Developed lecture slides, quizzes, labs, worksheets, assessments, and multi-stage assignments aligned with Bloom's Taxonomy.
- Spearheaded use of Microsoft Teams as an instructional communication platform.
- Created structured certification pathways for students pursuing Cloud+, AWS, Azure, and security certifications.

## **AWARDS**

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- Graduate Leadership Scholar
- GSU Black Women Rock Award
- Illinois Technology Foundation "50 for the Future"

## **PROFESSIONAL AFFILIATIONS**

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- Association for Computing Machinery (ACM), Professional Member and Faculty Advisor, Governors State University, College of Arts and Sciences, Division of Science, Mathematics, and Technology (DSMT) Student Chapter
- Upsilon Pi Epsilon (UPE) Theta Chapter, Governors State University Faculty Advisor