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EDUCATION

Bachelor of Science in Cybersecurity, Minor in Computer Science | Indiana Institute of Technology

May 2027

WORK EXPERIENCE

Program Developer & Digital Literacy Educator | Ball Venture Grant | Fort Wayne, IN October 2025 - Current

- ❑ Developed and delivered hybrid training sessions for seniors on technology basics and cybersecurity awareness.
- ❑ Built an AI-powered platform to personalize learning, track progress, and provide ongoing digital support.
- ❑ Increased participants in digital confidence and engagement by teaching safe online practices and social connectivity tools.

IT Service Agent | Indiana Institute of Technology | Fort Wayne, IN September 2025 - Current

- ❑ Resolve 100+ IT tickets monthly, troubleshooting network, software, MFA, SSO, Microsoft Office, and hardware issues.
- ❑ Assist in deploying and maintaining campus-wide IT infrastructure for 1,500+ students and faculty.
- ❑ Reduce system downtime by 30% through monitoring and rapid response.

Undergrad Research Assistant | University of Notre Dame | Remote February 2025 - Current

- ❑ Conducted research on blockchain, cryptography, and decentralized storage to support innovative solutions for Web3DB.
- ❑ Implemented backend APIs using Python, FastAPI, and Solidity smart contracts with IPFS-based decentralized data storage.
- ❑ Developed and tested smart contracts ensuring robust and secure on-chain interactions with backend systems.
- ❑ Engineered encryption and access-control modules to enhance distributed security and data integrity.
- ❑ First-author publication in *Springer CCIS* — "[Secure and Scalable Data Management Using Web3DB.](#)"

Indiana Tech Cyber Warriors | Indiana Institute of Technology | Fort Wayne, IN July 2024 - Current

Team Lieutenant | Unix Specialty Lead | Offensive Security Co-Lead

- ❑ Leads weekly practice sessions for Unix Specialty while co-leading offensive security and team-wide weekly practice.
- ❑ Provides oversight and guidance in the training efforts of a dynamic team comprising around 20 members.
- ❑ Creates and presents technical writing based on cybersecurity engagements done in competition.
- ❑ Crafts captivating learning exercises to foster continuous skill enhancement and personal growth.
- ❑ Takes the initiative in competition, successfully guides the team to high placements in competitions.
- ❑ Maintains crucial documentation for new member onboarding and knowledge retention.

COMPETITIONS

- ❑ National Collegiate Cyber Defense Competition | 1x Indiana Qualifier | 1x Midwest Qualifier | 1x National Appearance
- ❑ Collegiate Penetration Testing Competition | 2x Appearance
- ❑ University At Buffalo Lockdown | 1x Appearance

PROJECTS

Data Center Reorganization

- ❑ Restructured physical & logical layout with Proxmox and ZFS/LVM-thin pools to enhance efficiency, airflow and reliability.
- ❑ Integrated NetBox IPAM, Splunk monitoring, and LDAP to centralize visibility.

Core Infrastructure Dockerization

- ❑ Containerized core services with Docker & Nginx reverse proxy (SSL/TLS, DNS) for secure, scalable access.
- ❑ Implemented version-controlled configs and automated deployments to streamline updates and maintenance.

Local AI Deployment

- ❑ Deployed AI/ML models on internal Linux infrastructure for secure research, reducing reliance on cloud services.
- ❑ Implemented GPU passthrough and containerized environments for reproducible training and inference.

COAL | Cyber Defense Competition Script

- ❑ Built SSH automation tool to mass-execute scripts across hosts; deployed in National CCDC and UBUFF Lockdown.
- ❑ Improved team response time by automating repetitive tasks and standardizing configurations during competitions.

magicLAMP | Automated LAMP Stack Deployment

- ❑ Authored Bash script to provision Linux, Apache, MySQL, PHP stacks, cutting setup time from hours to minutes.
- ❑ Enhanced portability by designing idempotent installs with consistent, tested configurations.

Active Directory Migration

- ❑ Consolidated domains and migrated AD services with hardened DC's and zero downtime.
- ❑ Cut over DNS/DHCP and standardized GPO posture for more secure, centralized policy management.

For a full list of projects, please visit my [website](#)