

Luke Todd

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SUMMARY

Cybersecurity student pursuing a Bachelor of Science at Illinois Institute of Technology, graduating June 2028 with a 3.62 GPA. Hands-on lab and capstone work covers **security operations**, SIEM alert triage, **vulnerability management**, log analysis, **incident response**, identity concepts, cloud infrastructure, networking, Linux, Windows, Python, Bash, and **security controls**. Splunk, Wireshark, OpenVAS, Nmap, Azure, Jira-style workflows, and ServiceNow-style records supported investigations, remediation tracking, and evidence-based recommendations. AI-assisted research has been validated through source checks, reproduced results, and root-cause investigation rather than accepted without review. Clear presentations have helped faculty, peers, and student technology groups act on technical findings. Ready to support a collaborative cybersecurity team through careful analysis, useful documentation, responsible automation, and practical protection of enterprise systems and customer data.

EDUCATION

Bachelor's Degree in Cybersecurity

2028

Illinois Institute of Technology GPA: 3.62

Chicago, IL

Coursework: Network Security, Security Operations, Cloud Infrastructure, Incident Response, Vulnerability Management

TECHNICAL SKILLS

- **SIEM and Log Analysis:** Splunk, Windows Event Logs, Alert Triage
- **Network Analysis:** Wireshark, DNS, TLS
- **Vulnerability Management:** OpenVAS, Nmap, Remediation Tracking
- **Cloud Platforms:** Microsoft Azure, Azure Virtual Machines, Cloud Infrastructure
- **Operating Systems:** Linux, Windows, SSH
- **Scripting Languages:** Python, Bash, PowerShell
- **Work Management:** Jira, ServiceNow, Backlog Workflows
- **Security Operations:** Threat Detection, Incident Response, Security Monitoring
- **Identity Security:** Identity Mapping, Access Controls, Authentication Events
- **Security Governance:** Asset Inventories, Security Controls, Security Documentation
- **AI Security Workflows:** Prompt Engineering, Output Validation, Root-Cause Investigation
- **Network Security:** Firewalls, Subnets, Network Segmentation
- **Application Security:** Application Logs, Web Servers, Service Dependencies
- **Incident Analysis:** Timeline Analysis, Evidence Review, Containment Recommendations
- **Communication Methods:** Technical Presentations, After-Action Reports, Peer Briefings

SKILLS

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|----------------------------|---------------------|---------------------------|----------------------|
| • Security Operations | • Incident Response | • Identity and Access | • Prompt Engineering |
| • SIEM Alert Triage | • Threat Detection | • Critical Thinking | • Scripting |
| • Vulnerability Management | • Networking | • Root-Cause Analysis | • Automation |
| • Log Analysis | • Cloud Concepts | • Technical Communication | |

EXPERIENCE

Cybersecurity Operations Student Researcher

September 2025 - Present

University Cyber Defense Lab

Chicago, IL

Support supervised security operations research for a 22-host instructional network. Monitor logs, review vulnerabilities, maintain asset records, document investigations, and present root-cause findings for faculty and student teams.

- Monitored **Splunk** dashboards and Windows event logs, escalating simulated authentication anomalies for faculty review.
- Built **Wireshark** filters and **Python** parsers, separating routine traffic from indicators requiring investigation.
- Maintained endpoint **asset inventories**, giving weekly security exercises a consistent review scope.
- Reviewed **OpenVAS** findings, assigned remediation owners, and validated closure through rescans and evidence.
- Recorded alert context and investigation steps in **Jira**-style backlogs for smooth lab handoffs.
- Presented credential-compromise root cause findings to 18 students and instructors with containment recommendations.

Cybersecurity Capstone Analyst

January 2026 - May 2026

Security Operations Capstone Project

Chicago, IL

Designed a supervised **security operations** exercise for a small e-commerce environment. Connected Azure systems, application logs, identity events, vulnerability records, and response documentation into a practical monitoring workflow.

- Connected Azure virtual machines, application logs, and identity events within a test **monitoring** workflow.
- Configured Splunk searches and alerts for failed logins, administrative activity, and **PowerShell** execution.
- Correlated firewall records, endpoint logs, and **access** changes across a simulated intrusion timeline.
- Created a **ServiceNow**-style vulnerability register with severity, **ownership**, evidence, and validation dates.
- Tested prompt-engineering queries against source logs before using results in investigative documentation.
- Delivered an after-action presentation covering evidence quality, containment recommendations, and technical lessons.

Cybersecurity Lab Analyst

September 2025 - December 2025

Network and Systems Security Course Project

Evanston, IL

Completed supervised **systems** security analysis across segmented Linux and Windows environments. Documented network dependencies, tested configurations, reviewed vulnerabilities, and translated technical risks into practical recommendations for classroom stakeholders.

- Documented subnets, services, trust relationships, and application dependencies in a security diagram.
- Analyzed Wireshark captures explaining DNS, TLS, authentication traffic, and configuration indicators.
- Hardened a **Linux** web server through least privilege, SSH settings, patches, and firewall rules.
- Prioritized **Nmap** and OpenVAS findings by exploitability, asset role, and remediation evidence.
- Wrote **Bash** and Python utilities comparing host configurations with a defined security baseline.
- Coordinated a four-person briefing translating operating-system risks for a nontechnical audience.

PROJECTS

Enterprise Alert Triage Simulation 📅 2026

Worked with classmates on a monitored enterprise scenario, sharing evidence, challenging assumptions, and refining alert decisions before presenting practical response steps.

Cloud Identity Mapping Study 📅 2026

Mapped Azure resources, application events, and identity relationships with a small team. Group review helped clarify access paths and control gaps.

LEADERSHIP & AWARDS

- Dean's List, Illinois Institute of Technology, Fall 2025
- Cyber Defense Lab Research Presentation Recognition, 2026
- Cybersecurity Capstone Project Award for Evidence-Based Analysis, 2026

CERTIFICATIONS

- Microsoft Azure Fundamentals Learning Credential 📅 2026
- Introduction to Cybersecurity, Cisco Networking Academy 📅 2026
- Python for Everybody Certificate, Coursera 📅 2025

PROFESSIONAL AFFILIATIONS

- Cybersecurity Club, Incident Response Workshop Coordinator, 2025 - Present
- Illinois Tech Cyber Defense Lab, Peer Lab Facilitator, 2026
- Technology Student Association, Security Awareness Presentation Volunteer, 2025 - Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST