

# Katina Thongvong

Delaware, United States

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U.S. Citizen

Job Type: Internship, Telework, On-site

Desired Locations: Willing to relocate

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## PROFESSIONAL SUMMARY

Current Scholarship for Service (SFS) scholar pursuing a Master of Science in Cybersecurity at the University of Delaware, a designated National Center of Academic Excellence in Cyber Education (CAE-DE), with an expected graduation date of May 2026. Avid Capture the Flag (CTF) player that consistently ranks in the top 10% of competitors in various competitions. Holds multiple certifications, including CompTIA A+, Network+, Security+, and TCM Security Practical Junior Web Penetration Tester. Passionate about offensive and defensive security, with a strong interest in securing critical infrastructure. Active board member for Security BSides Delaware, coordinating sponsors, workshops, and volunteers to support the cybersecurity community.

## SKILLS AND INDUSTRY CERTIFICATIONS

- **Cybersecurity and IT Certifications:** CompTIA A+, Network+, Security+, Project+, CySA+ (2021); Okta Certified Administrator, Professional, Developer, Consultant (2022); TCM Security Practical Junior Web Penetration Tester (August 2024).
- **Programming Languages:** Proficient in Python; Intermediate in Javascript; Beginner in C, C++, and x86 Assembly.
- **Penetration Testing Tools:** Familiar with Burp Suite; Previous experience with Kali Linux (in a lab environment).
- **Reverse Engineering Tools:** Familiar with Ghidra, Metasploit.
- **DevOps and API Tools:** Previous experience with Git, Docker, Kubernetes, Postman and Helm.

## WORK EXPERIENCE

### **Delaware Technical Community College**

Wilmington, DE

August 2023 - Present

5 hours per week

*Adjunct Instructor - Information Technology*

<Removed salary>

- Deliver engaging lectures and facilitated classroom discussions in the following courses: System Administration I (Windows, Linux, LDAP, Active Directory, Apache), Programming I (Python) and Computer Science I (C++).
- Consistently receives excellent student evaluations, averaging 4.25/5 on end-of-semester ratings.
- Provide mentorship and support to students, fostering a positive learning environment.

**CDW**

January 2022 - August 2024

Telework

40 hours per week

*Senior Cybersecurity Consultant - Identity and Access Management*

&lt;Removed salary&gt;

- Led and designed implementations of Okta and PingIdentity access management system configurations to implement single-sign on and multifactor authentication, replacing legacy systems and enhancing user experience and security for over 100,000 workforce users for various government and healthcare clients.
- Delivered exceptional consulting services, leading to a 90% client re-engagement rate and fostering sustained business growth.
- Received company-wide recognition for completing a major project ahead of schedule, migrating and testing 70+ applications in 3 months (estimated timeline: 6 months).

**W.L. Gore & Associates**

June 2020 - November 2021

Telework

30 hours per week

*Information Security - Identity and Access Management Intern*

&lt;Removed salary&gt;

- Worked closely with the Ping Identity Professional Services team to implement, develop and document the workforce enterprise PingOne, PingID, PingFederate and PingDirectory configurations, decommissioning legacy identity management software and improving the user experience for over 10,000 workforce users.
- Automated scraping and data gathering for 200 applications using Python (pandas, Selenium), streamlining RBAC implementation and retiring outdated SSO applications.
- Migrated 100 API tests from SoapUI to Cypress, modernizing testing processes and improving efficiency.

**EDUCATION****Master of Science, Cybersecurity**

Expected completion date: May 2026

University of Delaware, Newark, DE

GPA: 4.0

Awards: Selected as part of the first cohort of the highly competitive CyberCorps Scholarship for Service (SFS) program at the University of Delaware. Award includes stipend and full tuition.

Relevant coursework: Systems Hardening and Defense, Applied Cryptography, Web Applications Security, Introduction to Cybersecurity

**Bachelor of Science, Cybersecurity and Information Assurance**

Completion date: December 2021

Western Governors University, Salt Lake City, UT (Remote)

GPA: 3.0

Awards: Received the WGU Excellence Award for outstanding work in the course Emerging Technologies in Cybersecurity.

Relevant coursework: Penetration Testing and Vulnerability Analysis, Counter Defense and Countermeasures, Legal Issues in Information Security, Emerging Technologies in Cybersecurity

**Associate of Applied Science, Computing and Information Sciences**

Completion date: May 2020

Delaware Technical Community College, Wilmington, DE

GPA: 3.75

Awards: Magna Cum Laude, President's List

Relevant coursework: Introduction to Programming in C++, Data Structures (Java), Introduction to Software Engineering (HTML, CSS, JavaScript), Computer Organization (x86 assembly), Calculus I, Calculus II

## **PROJECTS**

### **Secure Internet Vote - Security Researcher**

August 2024 - Present

- Research vulnerabilities and misconfigurations in the Secure Internet Vote web application, an application meant to make voting more accessible by allowing individuals to vote on their personal devices.
- Example of found issues: <https://github.com/siv-org/siv/issues/226>, <https://github.com/siv-org/siv/issues/228>, <https://github.com/siv-org/siv/issues/225>

### **Hacking Multifactor Authentication Talk**

March 2023 - June 2023

- Delivered presentations at OWASP Delaware and the Women's Society of Cyberjutsu, educating over 200 attendees on MFA vulnerabilities and bypass tactics including weak components, social engineering, and brute force attacks..
- URL to more information on the talk: <https://katinathongvong.com/projects/1/2023-07-21-phishing>

## **EXTRACURRICULARS**

### **University of Delaware CTF Team**

August 2024 - Present

*Member*

Newark, DE

- Compete in Capture The Flag (CTF) challenges on platforms like CTFTime, solving problems across categories including web exploitation, binary exploitation, cryptography, and steganography.
- Collaborate with other CTF team members to analyze and develop solutions for complex cybersecurity problems.
- Design and develop creative and challenging problems for the annual BlueHens CTF, enhancing event engagement and learning opportunities for participants.

### **Security BSides Delaware**

April 2024 - Present

*Board Member*

Newark, DE

- Spearhead the revival of the in-person Security BSides Delaware Conference after the loss of its previous venue by coordinating a new venue at the Fintech Building on the University of Delaware STAR Campus, reaching over 200 attendees and fostering community engagement.
- Coordinate sponsor outreach to fund the conference, securing over \$10k in funding.

## **CONFERENCES, COMPETITIONS, AND PROFESSIONAL AFFILIATIONS**

### **Security BSides Delaware - Board Member**

April 2024 - Present

### **Women in Cybersecurity - President of the University of Delaware Chapter**

December 2024 - Present

### **University of Delaware CTF Team - Member**

August 2024 - Present

### **Women's Society of Cyberjutsu - Member, Speaker**

June 2023 - Present

### **DEFCON 32 - Attendee via Women In Security and Privacy scholarship**

August 2024

### **Cyberjutsu Day 2024 CTF Competition - Rank 2/27**

June 2024

### **Department of Defense Cyber Sentinel CTF Competition - Top 3%**

May 2024

### **Hack the Capitol - Attendee**

May 2024

### **Security BSides Charm Graylog CTF - Rank 5/40**

April 2024

### **CMD + CTRL Web Security Bootcamp and Competition - Rank 2/100**

May 2021