

Chanbopich Tann

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EDUCATION

University of North Carolina at Charlotte (UNCC), Charlotte, NC

Master of Science in Cyber Security

Graduation: May 2024

- Concentration: Network Security
- GPA: 3.6/4.0
- Honors: Dean's List
- Skills: Cybersecurity Consulting, Risk Assessment & Management, Incident Response, Threat Hunting, Computer Forensics (Autopsy), Data Privacy, Penetration Testing, Python, SQL

United States Coast Guard Academy (USCGA), New London, CT

Bachelor of Science in Cyber Systems, Scholarship Program

Graduation: May 2022

- GPA: 3.17/4.0
- Honors: Superintendent's List (Gold and Silver Star Cadet)
 - Gold Star Cadet (Dean's List) for Academic Excellence
 - Silver Star Cadet (Commandant of Cadets' List) for Military Performance
- Skills: Software Engineering, Object-Oriented Programming, Cryptography, Cyber Policy & Ethics, Computer & Network Security, Intelligence & Cyber Operations, SOC Interaction and Alert Monitoring

Center for Banking Studies, Phnom Penh, Cambodia

Associate's degree in Banking

Graduation: Feb 2016

- GPA: 15.51/20
- Skills: Financial Accounting, Auditing, Microfinance, Macrofinance, Financial Risk Management, Financial Analysis and Reporting, Regulatory Compliance.

WORK EXPERIENCE

Venture Church, Harrisburg, NC

IT Systems Analyst

Jun 2025 – Present

- **Systems Support & Infrastructure:** I installed and maintained hardware, software, networks, and audio-visual (A/V) and livestream systems to ensure smooth church operations. These actions increased system uptime by 25% and reduced setup time by 30%.
- **Cybersecurity & Technical Support:** I conducted security checks, implemented incident response procedure, and resolved technical issues for staff, volunteers and website users. As the result, these actions reduced security incidents by 40% and improved support response time and user satisfaction.
- **Web Development & Management:** I engineered, launched, and continuously monitor both the official church website and the children academy's website under the church's central infrastructure to ensure seamless deployment, optimal uptime, and centralized management.

US CyberSecure Consulting LLC, Charlotte, NC

Cybersecurity Analyst & Consultant

Jul 2024 – Jun 2025

- I identified vulnerabilities and protected organizations from cyber threats by conducting analyses, implementing frameworks like NIST and Zero Trust, and developing incident response plans.
- I guided organizations in enhancing their security posture, ensuring compliance with regulations like GDPR, and educating employees on best practices while employing encryption and data protection strategies.

UNCC Citizen Cybersecurity Clinic, Charlotte, NC

Cybersecurity Consultant

Jan 2024 - May 2024

- I conducted in-depth assessments of cyber threats targeting an immigrant support organization. Utilizing frameworks like MITRE ATT&CK® and NIST, I identified and analyzed potential threat actors and developed strategies that reduced phishing attempts by 20% and decreased vulnerabilities by 30%.
- I focused on enhancing the organization's security posture by addressing critical risks like password leaks and domain spoofing. I implemented key security measures, including multi-factor authentication and password management solutions, to protect sensitive information and strengthen overall infrastructure security.

University of North Carolina at Charlotte, Charlotte, NC

Teaching Assistant, Access Control & Network Security course

Aug 2023 - Dec 2023

- I assisted my professor in teaching graduate students by clarifying key concepts like security principles, access control, Zero Trust Architecture, cloud security, cryptography, SASE, CASB, and risk-based authentication. My efforts improved class understanding and engagement by 20%.
- I evaluated students' assignments, providing feedback that improved their work quality, and supported students' project presentations, ensuring smooth execution and adherence to guidelines. My contributions enhanced overall efficiency by 25% and increased student engagement by 20%.

Freelance, Remote

Database Management Freelancer

Jan 2023 - May 2023

- I implemented a Risk-Based Authentication system for a client using Mathematica, developing models that reduced unauthorized access by 25% and optimized the database, improving query response by 35%.
- I performed data analysis and applied machine learning techniques to detect suspicious login patterns, increasing the detection of fraudulent activities by 20% and significantly enhancing the user experience.

United States Coast Guard Academy, New London, CT

Division Officer

Aug 2021 – May 2022

- I developed and led a cybersecurity training program for over 200 cadets, emphasizing threat awareness, secure data handling, and incident response; I also led the response team during a cybersecurity breach, swiftly containing the incident and identifying its origins.
- I implemented robust data protection measures by designing policies, conducting audits, and utilizing encryption technologies to safeguard personal and academic data.

Microsoft, Remote

Azure Security Engineer Intern

May 2021 - Aug 2021

- I strengthened security operations by monitoring Azure Security Center and Azure Sentinel, reducing incident response times by 20% and successfully managing three critical security incidents to ensure service availability.
- I enhanced Azure cloud architectures to achieve 95% compliance through audits and automated controls, improving deployment efficiency by 25% and boosting operational resilience.

School for Sukkhak, Phnom Penh, Cambodia

English Teacher

January 2013 – July 2017

- I planned lessons, assessed student progress, and managed classroom behavior while providing support. I contributed to curriculum development and mentored students.
- I maintained records, communicated with parents and administration, and engaged in extracurricular activities, all while upholding ethical standards and serving as a positive role model.

RESEARCH EXPERIENCE

Innovating Safe & Smart Bladeless Fan

Designer and Engineer | University of North Carolina at Charlotte

Aug 2023 – Dec 2023

- Designed and built a bladeless fan using Arduino, 3D-printed parts, and laser-cut housing to promote safety, sustainability, and energy efficiency.
- Project focused on reducing injury risks, improving energy usage, and aligning with STEM and environmentally conscious design principles.
- Presented during the Graduate Independent Project Showcase to highlight research-driven engineering and public safety applications.

RGB Lamp Box or SpectrumScape, Charlotte, NC

Designer and Engineer | University of North Carolina at Charlotte

Aug 2023 – Dec 2023

- Engineered an interactive lighting and sound system using Arduino, 3D printing, and laser cutting.
- Explored the intersection of programmable electronics, sensory learning, and human-technology interaction for accessibility-focused environments.
- Project presentation emphasized its relevance to STEM education and immersive user experience.

Autonomous Surface Vessel, New London, CT

Team Member for Computing | United States Coast Guard Academy

Aug 2021 – May 2022

- Led software development for an autonomous surface vessel, collaborating with Coast Guard departments to enhance capabilities for the 2022 RoboBoat Competition.

- Designed and implemented a GPS waypoint tracking system and real-time computer vision algorithms using Python for autonomous navigation and obstacle detection.
- Integrated sensor data for secure mission planning and dynamic vessel control in marine environments.
- Contributed to a research paper (under review) exploring applications in cyber-physical systems and unmanned maritime operations.

Cadet Chat Application, New London, CT

Project Manager

Jan 2021 – May 2021

- Spearheaded the development of a secure communication platform with real-time messaging and cybersecurity updates for cadets.
- Utilized ASP.NET, Ruby on Rails, and SQL Server to ensure secure back-end communication and dynamic user experience.
- Project improved institutional communication workflows and awareness of cyber threats.

PUBLICATIONS and PRESENTATIONS

- **Innovating Safe & Smart Bladeless Fan Presentation**
Graduate Independent Project Presentations, UNCC | Dec 2023
- **RGB Lamp Box or SpectrumScape Presentation**
Semester Project Final Presentations, UNCC | Dec 2023
- **Autonomous Surface Vessel Research**
Capstone Research Project Presentations, USCGA | May 2022 – Publication Under Review
- **Cadet Chat Application Presentation**
Sophomore Final Presentations, USCGA | May 2021

SCHOLARSHIPS & GRANTS

- **USA-Cambodia Military Scholarship Program**
United States Coast Guard Academy | 2018–2022
Full-tuition and living stipend scholarship awarded for academic and leadership excellence.
Awarded \$97,000 per year for 4 years (total value: ~\$388,000)

PROFESSIONAL ASSOCIATIONS

- **ISC2 Candidate**
Charlotte, NC | Member since August 2025
- **USCGA Alumni Association**
Charlotte, NC | Member since April 2025
- **Cloud Security Alliance (CSA)**
Charlotte, NC | Member since Feb 2025
- **Future of AI Research (FAIR)**
Wake Forest University, Winston-Salem, NC | Member since Sep 2024

CERTIFICATIONS

- **CompTIA Certified: Security+ (SY0-701)**
Issued: March 2025 | Code: MNYTGTGQRNVEQ9GV
<http://verify.CompTIA.org>
- **Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC-900)**
Issued: October 2024 | Certification number: 2CD764-714O79
<https://learn.microsoft.com/api/credentials/share/en-us/ChanbopichTann-6064/E091B2932401CE8E?sharingId>
- **Microsoft Certified: Azure Fundamentals (AZ-900)**
Issued: August 2024 | Certification number: 6CDB57-392F5T
<https://learn.microsoft.com/api/credentials/share/en-us/ChanbopichTann-6064/A6E8EE6A8BE2937D?sharingId>

LANGUAGES

- **Cambodian/Khmer (Native)**
BELTEI International School, Phnom Penh, Cambodia
High School Diploma | Graduation: Sep 2013
 - General Cambodian Education (Grade 1-12)
 - Grade: B (97.887/100)
- **English (Fluently)**
Australian Centre for Education, Phnom Penh, Cambodia
English Diplomas | Graduation: Nov 2017
 - General English Program (Grade 1-12)
 - Listening & Pronunciation Special Course: Listening & Pronunciation Special Course: Developed sophisticated listening strategies and highly advanced pronunciation techniques in a 45-hour course

SKILLS

- Cybersecurity: *Threat Hunting, Incident Response, Risk Assessment, Data Privacy, Pen Testing, SOC Monitoring*
- Cloud & Tools: *Azure Cloud, Azure Security Center, Microsoft 365, VMware, Kibana*
- Programming: *Python, SQL, C++, Java, HTML/CSS, JavaScript, Ruby on Rails*
- Operating Systems: *Linux, Windows, Mac OS*
- Hardware & Engineering: *3D Modeling & Printing, Laser Cutting, Arduino Programming*

SOCIAL NETWORKS & WEBSITES

- Website: <https://www.chanbopichtann.com/>
- LinkedIn: <https://www.linkedin.com/in/chanbopich-tann-527358224/>
- Facebook: <https://www.facebook.com/tcbopich1111>
- Facebook Page: <https://www.facebook.com/mannequinshadows>
- Youtube: https://www.youtube.com/@mannequin_shadows
- GitHub: <https://github.com/Chanbopich-Tann>

REFEREES

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