

Kyle Tu

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Education

- **University of Maryland, College Park** College Park, MD
Bachelor of Science in Information Science Aug 2022 - May 2026
- **CompTIA Security Plus (SY0-701)**
Certification ID: HM691JLQQ1R4Q29Z Expires February 2028

Experience

- **VAS Driving School** Silver Spring, MD
Help Desk Technician March 2025 - Present
 - Troubleshoot employee technical issues and account management for internal systems, including password resets and access configuration
 - Train staff on basic IT practices, including email usage, internet safety, resulting in 50% less tickets
 - Install, configure, and maintain classroom and office technology such as projectors, printers, and desktops
 - Maintain IT asset inventory, tracking devices and ensure timely updates and repairs
- **Aristotle Circle** Bethesda, MD
Peer Tutor October 2021 - Present
 - Prepare lessons and provide one-on-one explanations in mathematics, biology, physics, and English, resulting in students improving by a full letter grade
 - Facilitate academic growth in mathematics and English within homework support group for The National Center for Children and Families
- **Nha Viet Nam** Silver Spring, MD
Volunteer Tutor September 2021 - December 2023
 - Introduced material and provided review sessions for over 12 students in preparation for SAT Math Section
 - Ensured improvement in test scores by at least 70 points through detailed explanations and targeted problem-solving practice
- **MoCoHacks** Virtual
Lead Front-end Developer and Hackathon Organizer December 2020 - March 2021
 - Organized virtual coding competition event for 300+ Montgomery County students with 200+ submissions
 - Developed website infrastructure using JavaScript and React framework

Projects

- **Windows Active Directory Environment Lab Simulation**
 - Installed and configured Windows Server 2025 and Active Directory Domain Services in virtual environment using VMware
 - Created and managed user accounts, organizational units, and Group Policies for simulated enterprise environment
 - Implemented Group Policy Management Console to apply security policies and enforce workstation settings across multiple users
- **Information Security Analyst Simulation - AIG**
 - Analyzed zero-day vulnerability and developed Python-based brute-force decryption tool for security assessment
 - Demonstrated investigative troubleshooting and incident response skills applicable to cybersecurity roles
- **IT Help Desk Analyst and Phishing Simulation - Mastercard**
 - Identified phishing tactics and social engineering techniques in simulated security incidents
 - Authored end-user training resources to reduce social engineering risks and improve security awareness
- **AI Poem Generator Web Application**
 - Created web application using TypeScript, React, and OpenAI API to generate poems based on user input
 - Implemented responsive user interface and API integration for dynamic content generation

Technical Skills

- **Programming Languages:** Python, JavaScript, Java, C Sharp, R, SQL, HTML, CSS, React, TypeScript
- **Operating Systems:** Windows Server 2025, Windows 10/11, Linux
- **Tools and Technologies:** VMware, Active Directory, Group Policy Management Console, Microsoft Office 365, Remote Desktop Protocol, Git
- **Cybersecurity:** CompTIA Security Plus, Vulnerability Assessment, Incident Response, Phishing Analysis, Security Policy Implementation
- **Networking:** TCP/IP, DNS, DHCP, Network Troubleshooting, Windows Server Administration