Kyle Tu

[hidden] — [hidden] — kvt2.123@gmail.com

LinkedIn: linkedin.com/in/kyle-v-tu — GitHub: github.com/kyle-v-tu — Website: kyletu.com

Education

- **University of Maryland, College Park** — College Park, MD
  Bachelor of Science in Information Science — *Aug 2022 - May 2026*

- **CompTIA Security Plus (SY0-701)** — Feb 2025
  Certification ID: HM691JLQQ1R4Q29Z

Experience

- **KPOT Korean BBQ and Hot Pot** — Rockville, MD
  Bartender and Server — *March 2024 - March 2025*
  - Memorized and prepared 40+ cocktails, developed drink recipes and optimized menu list, resulting in approximately 15% increase in drink sales
  - Managed back-of-house operations by tracking inventory, refilling supplies, and reducing out-of-stock issues, developing skills transferable to IT asset management and issue tracking

- **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, 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