Yoonsung Ed Cho

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EDUCATION

Purdue University, Polytechnic Institute   **West Lafayette, IN**
Cybersecurity, BS   **Expected Dec 2026**
- **Junior** majoring in Cybersecurity with a **3.0/4.0 GPA** and have taken Information Technology Architecture, System And Organizational Security, System Administration, System Analysis and Design Methods, and Cybersecurity Fundamentals I.

Murray State University, Department of Computer Science and Information Systems   **Murray, Kentucky**
Computer Science, BS   **Aug 2021 ~ May 2022**
- Transferred from Murray State University KY with a **3.6/4.0 GPA** and have worked as a Student Ambassador.

WORK EXPERIENCE

Republic of Korean Army   **Seoul, South Korea**
Network Communication System Specialist   **Jan 2023 – July 2024**
- Former Infantry Soldier (Sergeant E-5) experienced in handling military crypto devices and troubleshooting main brigade facilities supporting over **400+ desktops, printers, and VoIP** systems.
- Proficient in server maintenance, including backups, system restoration, and formatting to ensure reliable operations and skilled in **firewall traffic control, Genian NAC, and data backups**, maintaining secure and efficient military IT infrastructure.

PROJECTS & CERTIFICATIONS

Google Cybersecurity | IT Support | Project Management Certificate   **Nov 2024 ~ Jan 2025**
- Developed expertise in security frameworks, **SIEM tools, packet analysis, malware analysis, AI-driven threat detection**, incident response, cloud security, EDR, Zero Trust, forensics, and risk mitigation through the Google Cybersecurity Certificate.
- Mastered troubleshooting, networking, OS, system administration, and security with hands-on experience in **Virtualization, Python automation, Active Directory, DNS,** and disaster recovery through the Google IT Support Certificate.
- Skilled in creating **Class diagrams, Sequence diagrams, Use case narratives, and Context diagrams,** with a solid understanding of the Scrum framework for agile project management through the Google Project Management Certificate.

Medium Blog: @edchokr   **Sep 2024 ~ Present**
- Publishing journal-style articles with **200+ reads,** focusing on personal projects and certifications, designed for both technical and non-technical audiences, averaging **a 3-minute easy read** per article.
- Shared insights into certifications like Google Cybersecurity and IT Support, and projects such as BrainRotRemover and EzReserve, emphasizing **decision-making, execution, and broader applications in IT and cybersecurity**.

Medium-Sized Business Virtual Infrastructure Deployment   **Aug 2024 ~ Dec 2024**
- Designed and implemented a virtualized IT infrastructure using **ESXi, vSphere, iSCSI, VMware, Windows Server Manager, and Active Directory Forest** configuration to support the needs of a medium-sized business.
- This project enhanced scalability, resource management, and operational efficiency by creating a centralized virtual environment that allowed seamless integration of server management, data storage, and network services.

Spam Email Detector   **Jan 2025 ~ Present**
- Designing and implementing a **Python-based spam email detection system**, reducing phishing and spam occurrences by **over 90%** through **email header analysis, malicious URL detection, and phishing prevention techniques**.
- Integrating threat intelligence algorithms to analyze email headers, content, and embedded URLs, automating the rerouting of flagged emails to the junk folder for enhanced security and privacy.

LEADERSHIP

Royal Asiatic Society Korea Branch (RAS-KB)   **Seoul, South Korea**
Student Member & Volunteer   **Mar 2019 - Current**
- Led the creation of a cultural and historical booklet as **President of the RAS Korea Research Team** at Dongducheon Foreign Language High School, promoting Korean heritage among RAS Korea members and friends.
- Volunteered as a technician, supporting **10+ lectures** with audiences of **200+ people**, ensuring seamless technical setup for in-person and online sessions, and have been recognized in the Korea Times for significant contributions to cultural education.

Purdue Korean Association (PKA)   **West Lafayette, Indiana**
Corporate Relations Officer   **Aug 2024 - Current**
- Secured **$5,000+** in sponsorships and financial support as Corporate Relations for Purdue Korean Association, partnering with major corporations, including Samsung and LG.
- Collaborated with **10+ local businesses** to raise funds, strengthening the association's foundation, and organized **15+ networking events** and cultural programs to promote community engagement and growth with corporate sponsors.