

Kyuhwan (David) Lee

kyuhwan720@gmail.com | +82-10-5540-5202 | Seoul, KR | [linkedin.com/in/kyuhwan/](https://www.linkedin.com/in/kyuhwan/)

WORK EXPERIENCE

ShinwooTNS

Cloud Security Engineer Intern

Mar. 2025 – Present

Goyang, KR

- Managed and streamlined support processes for a rapidly growing global user base (expanded from 3,790 to 5,881 users), implementing process improvements that reduced average resolution time and lowered ticket volume, ultimately enhancing customer satisfaction.
- Collaborated on integrating vSockets with AWS VPCs and transit gateways for enterprise clients, identifying and mitigating connectivity bottlenecks to secure network traffic and boost overall performance across international infrastructures.
- Analyzed and reconfigured firewall rules in cloud environments to address complex network and security issues, achieving a 50% reduction in incident response time and reinforcing system reliability.
- Architected and deployed an LDAP-based authentication system to synchronize on-premises Active Directory with SaaS platforms, expediting user provisioning and streamlining operational efficiency across multiple departments.

ShinwooTNS

Cloud Security Engineer Intern

Jul. 2022 – Aug. 2022

Seoul, KR

- Enhanced technical support for a global enterprise client (3,790 users) by streamlining troubleshooting protocols and leveraging diagnostic tools (Wireshark, Speedtest), achieving a 30% reduction in average incident resolution time.
- Identified the need for faster issue resolution and proposed a remote desktop support solution via 113366.com, which reduced resolution times, improved ticket closure rates, and cut support ticket volume by 25%, elevating overall customer satisfaction.
- Spearheaded the migration from a legacy security system to Cato Networks' SASE platform for a global enterprise by coordinating cross-functional teams and executing a phased rollout, reducing downtime by 40% and enhancing network security and performance across multiple regions.

Purdue University

Undergrad Teaching Assistant

Jan. 2022 – May. 2022

West Lafayette, IN

- Instructed lab sessions for 40 students in Data Acquisition & Systems Control, simplifying advanced concepts.
- Maintained and optimized \$15K worth of lab equipment ensuring peak performance and reliability.

EDUCATION

Purdue University

Bachelor of Science, Computer Engineering Tech

Aug. 2020 – Present

West Lafayette, IN

- GPA: 3.6/4.0; Semester Honors**
- Minor in Computer and Information Technology, Intramural Soccer, Purdue Space Program - Spaceport

PROJECTS

GambleX

Personal Project

Dec. 2024 – Present

Remote

- Engineered a cloud-native web application using HTML, CSS, and JavaScript on AWS that simulates gambling experiences while promoting responsible behavior by redirecting users to a dedicated warning interface.
- Leveraged AWS services including EC2, S3, and Lambda to ensure scalability, fault tolerance, and robust security

Autonomous Vehicle

Class Project

Jan. 2023 – May. 2023

West Lafayette, IN

- Engineered and deployed a high-performance Model Predictive Control (MPC) system on an ATmega2560 microcontroller using embedded C.
- Leveraged a modular programming architecture with custom header files to enhance scalability, maintainability, and real-time performance of control algorithms.

CERTIFICATIONS

- Certifications:** AWS Certified Solutions Architect - Associates