**Minho Kim**
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## EDUCATION

***University of Maryland, College Park***
*Bachelor of Science in Information Science | August 2020 – May 2025*

- Dean's List, Fall 2024 – Awarded for academic excellence in the College of Computer, Mathematical, and Natural Sciences

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## TECHNICAL PROJECTS / PERSONAL PROJECTS

***AI-Powered Threat Detection Systems***

- Developed an AI-powered cybersecurity platform using Python, TensorFlow, and PyTorch that leverages BERT, CNN, LSTM, and Autoencoder models to detect AI-generated cyber threats in real-time.
- Implemented multi-modal threat analysis system that processes emails, images, and text using natural language processing and computer vision techniques to identify malicious content and adversarial attacks.

***AI Adversarial Attack Simulator***

- Created AI adversarial attack simulator using Python, PyTorch, and Scikit-learn with FGSM, PGD, and C&W attack methods for ML model security testing
- Built automated defense testing platform using penetration testing and security validation techniques to protect against adversarial ML threats.

***Information Science Project with Stakeholders***

- Collaborated with a team to design and evaluate a real-world solution for the Campus Community Connection in SQL and using visualization in Tableau
- Worked directly with external stakeholders to define project goals and gather user requirements
- Implemented multi-threading to optimize data processing tasks

***Dataset Information in SQL***

- Performed statistical analysis using Binomial tests, T-tests, Chi-Squared, and ANOVA
- Visualized correlations between variables using graphs and data visualization techniques

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## SKILLS

***Application***: C, C++, Python, SQL, R-Studio, Java, JavaScript, Processing, MATLAB, and MS Office, Tableau, HTML AI Pompt
***Languages***: Korean, English

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## CERTIFICATION / WORK EXPERIENCE

***CompTIA Security+*** | July 2025

- Earned the CompTIA Security+ certification with a score of 795, demonstrating practical, hands-on skills in securing networks, applications, and devices while ensuring data integrity, confidentiality, and availability.

***Server - Fine Dining Korean BBQ (KoHo Maryland Live Casino)*** | August 2024 - March 2025

- Provided high-end dining service while managing multiple tables for VIPs

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## EXTRA-CURRICULAR ACTIVITIES

***Naval ROTC***

- Attended daily leadership meetings and physical training sessions

***Loaves and Fishes, St. Andrew Kim Catholic Church***

- Volunteered to cook and provide meals to homeless people

***Intramural Sports*** - Basketball, Soccer