

Yongkyoon Park

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AREAS OF INTEREST

Machine Learning, Robotics, Active Learning, Computer Vision, Explainable AI, Optimization

EDUCATION

University of Florida	FL, United of States
Master of Science – Electrical & Computer Engineering	2024-Present
Korea Advanced Institute of Science and Technology	Daejeon, Republic of Korea
Fundamentals of Machine Learning Course	2022-2023
Korea Military Academy	Seoul, Republic of Korea
Bachelor of Science – Electrical Engineering & Bachelor of Military Art and Science	2013-2017
✓ Major GPA: 3.84/4.0 (94.9/100)	

PROFESSIONAL EXPERIENCE

SK Inc, IT Strategy Consultant - Seoul, Republic of Korea	2024
<ul style="list-style-type: none">Established strategies and built business models to utilize AI in the clients' major business areas and presented 3 major tasks that can be immediately implemented and generate profits, based on the logical and situational judgement abilityDeveloped roadmaps for maximizing business model profitability, based on the fundamental understanding of AI technologies and the ability to analyze investment feasibility.	
Batterfly Inc, ML Researcher and Business Developer - Seoul, Republic of Korea	2022 - 2024
<ul style="list-style-type: none">Developed a predictive AI model for the remaining lifetime of the rechargeable battery (87% prediction performance), and derived key influence factors using XAI algorithm that enable customers to use information to sustain the lifespan of rechargeable battery for up to 3 years, based on the fundamental knowledge of ML technology and data analysis ability✓ Thesis: Conducting a comprehensive analysis for the prediction of battery state and residual value evaluation in electric buses while considering operational and driving data	
Republic of Korea Army, Officer of Signal & Cyber Security (Captain) - Seoul, Republic of Korea.	2017 - 2022
<ul style="list-style-type: none">Identified 5 AI system development projects applicable to the military, with 2 of them being selected, and served as the project manager for the selected projects, based on the knowledge of AI technologies, network, and cyber security	

PROJECTS

Researching on a path finding algorithm for UAVs that uses minimum power based on terrain data
Building a Vigilance and Surveillance system based on Image Recognition AI Technology

SKILLS

Python, MATLAB, My-SQL, ROS, Cisco CLI, HTML, Linux, MS Office (Word, Excel, PowerPoint)

LEADERSHIPS

Company Commander (Captain) - Capital Defense Command, ROK Army	2021 - 2022
Chief Officer of Signal & Cyber Security (1 st Lieutenant) - ROK Transportation Command	2019 - 2020
Swimming Club Leader- Korea Military Academy	2015 - 2016

SCHOLARSHIPS, HONORS AND AWARDS

University of Florida, Herbert Wertheim College of Engineering Achievement Award Scholarship	2024 - 2026
4-Year Full-tuition Scholarship for bachelor's degree, Korea Military Academy	2013 - 2017
Group Commander (COL) Commendation for Building a surveillance system based on AI tech	2022
Transportation Commander(BG) Commendation for Contribution to ROK-US Joint Force Training	2020
Awards for outstanding performance (4th place) in Commander of Army Signal School(BG)	2017