

Yunho Lee

Graduate Student

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CONTACT INFORMATION

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EDUCATION

Mar.2020	Hanyang University ERICA	Ansan,
~	Major: B.S. in Industrial & Management Engineering	Korea
Feb. 2026	GPA (Major): 3.85 / 4.5	
	Graduation with Honors Manna Cum Laude	
Mar. 2026	Hanyang University	Seoul,
~	산업경영공학과	Korea
Present	Next Simulation Lab.	
	Advisor: Kyung-min Seo	
	M.S. in Industrial & Management Engineering	
	GPA: 4.17 / 4.5	

RESEARCH INTERESTS

- Simulation-based Optimization
- Production Scheduling and Spatial Optimization
- Digital Twin for Manufacturing Systems
- Artificial Intelligence in Manufacturing
- Discrete Event System Simulation

CONFERENCES

1. 이윤호, 전재우, 정서현, 김훈, 서경민, “리더-팔로워형 이기종 AMR 협업 이송 임무의 Isaac Sim 기반 개념 시뮬레이션 연구”, 한국시뮬레이션학회 2025 추계학술대회 초록집, pp 42, Seoul, Korea (Nov. 2025) – Oral
2. 전재우, 이윤호, 김민구, 신기루, 서경민, “CNC 공정의 공구 오프셋 예측을 위한 LSTM 기반 시계열 모델링”, 한국CDE학회 2026 동계학술대회 프로시딩, pp 202, Seoul, Korea (Feb.2026) - Oral
3. 이윤호, 전재우, 최민호, 김준우, 우지현, 김훈, 서경민, “제조·물류 분야 이기종 무인 에이전트의 협업지능 프레임워크 및 Isaac Sim 기반 개념 시뮬레이션”, 대한산업공학회 2026 춘계공동학술대회 초록집, D.2.2, Gyeongju, Korea (Jun. 2026) – Oral

AWARDS AND HONORS

- 2025 추계학술대회 학부생 논문 경진대회 장려상, 한국시뮬레이션학회, Korea (Dec. 2025).

PROJECTS

- Development of an AI Model for Tool and Equipment Offset Optimization, WAFF, Korea (Sep.2025 ~Jan. 2026)
- Development of an Operational Optimization Simulator for Manufacturing Depots, LG Electronics, Korea (Mar. 2026 ~ Present).
- Simulation-Based Analysis of Combat Effectiveness Considering Unmanned Assets, Hanhwa Ocean, Korea (Jul. 2026 ~ Present).

SKILLS AND TECHNIQUES

- Python
- Isaac Sim

SIMULATION SKILLS

- DEVS (Discrete Event System Specification)