

Seung-Hyo Lee

Graduate Student

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EDUCATION

Mar. 2021 ~ Aug. 2026	Hanyang University ERICA B.S. in Industrial and Management Engineering Minor in Industrial Artificial Intelligence, School of Software Major GPA: 4.01/4.5 Minor GPA: 3.79/4.5 Graduation with Honors (Magna Cum Laude)	Ansan, Korea
Sep. 2026 ~ Feb. 2028 (Expected)	Hanyang University Department of Industrial and Management Engineering Next Simulation Lab. Advisor: Kyung-min Seo M.S. in Industrial and Management Engineering	Seoul, Korea

Research Interests

- Simulation-based Optimization
- Digital Twin
- Artificial Intelligence
- Deep Reinforcement Learning

CERTIFICATIONS

- ADsP (Advanced Data Analytics Semi-Professional)

AWARDS AND HONORS

- Grand Prize, 2025 Fall Conference Undergraduate Paper Competition, The Korea Society for Simulation, Korea (Dec. 2025).
- Grand Prize, 23rd Korean University Student Computer Simulation Competition, The Korea Society for Simulation, Korea (Jun. 2026).
- Encouragement Award, 24th University Student Project Competition, The Korea Society for Simulation, Korea (May 2026).
- Encouragement Award, 2026 Intelligent Robot Consortium, Center for Innovation in Engineering Education, Hanyang University, Korea (Jun. 2026).

Projects

- Development of a Simulation Module for Advancing and Validating Virtual Commissioning Technology, LG Electronics Production Engineering Research Institute, Korea (Mar. 2026-Present).
- Manufacturing SDF Platform Technology for Production and Logistics Environments, KEIT (Korea Planning & Evaluation Institute of Industrial Technology), Korea (Apr. 2026-Present).
- Research on Ship Capacity Planning Simulation, UVC, Korea (Mar. 2026-Present).

Technical Skills

- Simulation Tools: Omniverse (Isaac Sim, OpenUSD)
- Python, PyTorch, AI/ML, SQL
- DEVS (Discrete Event System Specification)