Yongjae Lee, M.Sc.

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🌐 http://example.example.org/

Biography

Yongjae Lee is a researcher...
Business Process Management (BPM), Process Mining BPM Softwares, Tools
Ethos, Pathos, Logos

Programming

- **Languages**
  Python, JavaScript, Go
- **Framework**
  PyTorch, FastAPI, Node.js
- **Simulation/Modeling**
  Plant Simulation (ZIEMENS)
- **Markup**
  HTML/CSS, LaTeX

Education

2024.03 – 2026.02	**M.Sc., Pusan National University** Industrial Data Science and Engineering. Supervisor: *Prof. Hyerim Bae*
2018.03 – 2024.02	**B.Sc., Pusan National University** Industrial Engineering

Projects

2023.03 – 2026.02	**A Study on the XPL (eXplainable Process Learning)** • Sub Developer [2023.03 – 2024.02] • Main Developer [2024.03 – 2026.03]
2024.03 – 2026.02	**Development of Process Mining and AI-based Affectionate Intelligence for User Behavioral Model (with LG Electronics)** • Main Developer [2024.03 – 2026.03]
2023.06 – 2025.02	**Human-Centered - Carbon Neural Global Supply Chain Research** • Sub Developer [2023.06 – 2025.02]

Teaching Experience

2024.06	**Teaching, Practicum Assistant**, Process Mining for LG Eletronics
2024.03 – 2024.07	**Teaching, Practicum Assistant**, Data Structures and Algorithms (undergraduate)

Awards

2023	**Grand Prize,** PNU Industrial Artificial Intelligence Competition
	Grand Prize, Graduation Project in Industrial Engineering

Publications

Journal Articles

1. **Y. Lee**, K. Park, H. Lee, J. Son, S. Kim, and H. Bae, "Identifying key factors influencing import container dwell time using explainable artificial intelligence," *Maritime Transport Research*, vol. 7, 2024.

2. I. A. Nur, K. I. Mustafa, R. M. Hanif, K. Dohee, **L. Yongjae**, and B. Hyerim, "Predictive process monitoring for remaining time prediction with transfer learning," *ICIC Express Letters Part B*, vol. 18, 2024.

3. D. Park, S. Cho, D.-y. Park, **Y. Lee**, D. Kim, and H. Bae, "Lcl cargo loading algorithm considering cargo characteristics and loading space," *Journal of Intelligence and Information Systems*, vol. 29, pp. 375–393, 2023.

Conference Proceedings

1. S. Cho, **Y. Lee**, D. Park, D. Kim, and H. Bae, "Using shap to derive and analyze causes of maritime accident types," 2024, pp. 3043–3053.

2. H. Lee et al., "A framework for predicting vessel fuel consumption utilizing spatiotemporal information," 2024, pp. 1314–1324.

Patents

1. H. Bae, I. A. Nur, **Y. Lee**, and D. Kim, "Continual learning method and device with adaptive memory mechanism for predictive process monitoring," Korean Patent 10-2025-0026041, 2025.