Sung-min Lee

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Summary

- **AI & Computer Vision:** Developed LLM services, RAG pipelines, and computer vision solutions.
- **Full-Stack Development:** experience across AI projects, data pipelines, web, server, and databases.
- **Data Science Workflow:** Managed end-to-end processes and analytics
- **Project Leadership:** Served as manager or assistant, coordinating teams
- **Adaptability & Responsibility:** Strong learning ability with accountability in technical tasks.

Experience

Samsung Electronics Co., Ltd.   Hwaseong-si, Republic of Korea
Staff Engineer, Evaluation & Analysis Process Development   2022.01 - Present
- Development of AI projects with LLMs, RAG, and AI-based image processing.
- Development of data analytics with data pipeline, RCA, and dashboard.
- Development of Full-stack web, and tooling infrastructure.

Samsung Electronics Co., Ltd.   Hwaseong-si, Republic of Korea
Engineer, Evaluation & Analysis Process Development   2018.11 - 2021.12
- Root cause Analysis in DRAM(D1z, D1a, D1b, D1c) and developing auto analysis solution.
- Abnormal detection with measurement and inspection.
- Managed, tracked and predicted main lots' manufacuturing quality state.

Hyundai Mobis Co., Ltd.   Yongin-si, Republic of Korea
Research Engineer, Steering System Engineer Team   2017.07 - 2018.10
- Development/evaluation of car's steering system
- Gear System optimization

Education

Seoul National University   Seoul
M.Sc., Department of Naval Architecture and Ocean Engineering   2015.09 ~ 2017.06
- Majoring in the optimization algorithm
- Optimization of Ship Route Planning (M.Sc. thesis)

Seoul National University   Seoul
B.S., Department of Naval Architecture and Ocean Engineering   2009.03 ~ 2015.08

Main Projects

- AI & machine learning (LLM services, RAG pipelines, computer vision)
- Data engineering & analytics (data pipelines, analytics & RCA, data visualization)
- Web development & infrastructure (full-stack web development, infrastructure tooling)

Additional

- Teaching: Practical ETL cource / Fundamentals of Data Analysis / Spotfire Workshop
- Publication: 'Spotfire 간단히 그래프 그리기', ISBN:9788924098136, 2022.07
- Awards: 2024 SRD e-Technology Journal / 2023 The Innovator
- Github: https://github.com/sungmin603 / Blog: https://blog.naver.com/mgo0129