Sung-min Lee

Address: Hanam-si, Gyeonggi-do,
Republic of Korea

Phone: +82-10-6410-2463
E-mail: 603lsm@naver.com

Summary

- A full-stack developer with extensive experience across AI projects, data, web, server, and database
- Full series of process of data science (gathering, ETL, treatment, analysis, and visualization)
- Evaluating, predicting and visualizing of parameters/indices for quality assurance
- Experience as manager/assistant in projects
- Learning ability and responsibility

Experience

Samsung Electronics Co., Ltd.   Hwaseong-si, Republic of Korea
Staff Engineer, Evaluation & Analysis Process Development   2023.01 - Present
- Development of RAG-LLM and DL-base image processing
- Development of data analytics platform and web platform
- Infrastructure Setup and System Integration of Diverse Tech Stacks

Samsung Electronics Co., Ltd.   Hwaseong-si, Republic of Korea
Engineer, Evaluation & Analysis Process Development   2018.11 - 2022.12
- Finding the process that causes the defect in DRAM manufacturing
- Developing automatic solution for data analysis
- Abnormal detection with measurement and inspection
- Evaluating, predicting and visualizing of parameters/indices for quality assurance

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

- RAG-LLM Solutions for Automated PPT Generation and Code Scripting
- Deep Learning-based Image Processing Platform for SEM and TEM Data
- Data Analytics Platform for Semiconductor Manufacturing
- Web-DB Platform for Interdepartmental Workflow Management
- Infrastructure Setup and System Integration of Diverse Tech Stacks

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