

RaeEun Lee

To become an engineer who contributes to making the world a better place

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Education

Sogang University, Seoul, South Korea

B.S. in Computer Science and Engineering
B.A. in Cultural Criticism (double major)

Mar. 2011 – Aug. 2015

- Graduated with **Magna Cum Laude** honors
- Department Rank: 1/39 (GPA 3.68/4.3)
- Awarded the Korea National Scholarship for academic excellence

Technical & Research Skills

- **Machine Learning & Data Science:** Recommendation systems, ranking models, deep learning for recommendation and modeling, experiment design, A/B testing, metric analysis, data preprocessing
- **Engineering & Systems:** Data engineering, Cloud Architecture, Distributed processing, large-scale system design
- **Tools & Technologies:** Python, C++, Kubernetes, Docker, Kafka, Airflow, Git, Linux

Work Experience

Kakao — Commerce AI Recommendation Team SW/ML Engineer Feb. 2025 – Present

- Built and improved recommendation models for E-commerce services including *KakaoTalk Gift* (mobile gifting platform) and *Kakao Shopping*; conducted online/offline evaluations and A/B tests, achieving significant improvements in key engagement metrics (e.g., CTR, CVR)

Kakao — AI Recommendation Platform SW/ML Engineer Sep. 2019 – Feb. 2025

- Developed and optimized large-scale recommendation systems for high-traffic Kakao services including *Daum* (online news portal), *KakaoTalk Gift*, and *KakaoPage* (digital content platform); worked on modeling, user behavior analysis, log collection, and A/B testing, contributing to measurable gains in recommendation quality (e.g., dwell time, diversity)
- Led personalization projects, including *Daum*, *Brunch* (content publishing platform), and *KakaoTalk Shortform* (shortform media platform); managed a 5-member team and improved recommendation performance through behavioral analysis and model refinement
- Designed function-call structure and developed LLM-based recommendation features for an AI shopping chatbot

Samsung SDS — Alphalaw SW/ML Engineer Dec. 2017 – Jun. 2019

- Developed ML-based contract analysis system; enhanced tokenization using domain-specific vocabulary, and evaluated model performance on legal text classification tasks

- Prototyped new product ideas through market analysis, user interviews, and experimental validation in PoC settings

Samsung SDS — AI Platform Team

SW/ML Engineer Aug. 2017 – Dec. 2017

- Built a semi-automatic labeling tool for supervised learning and implemented an image data preprocessing module

Samsung SDS — SERP Team

SW Engineer Aug. 2015 – Aug. 2017

- Managed and developed the QM part of the ABAB-based SAP system at *Samsung Heavy Industries*
- Designed and delivered in-house algorithm training sessions for employees, strengthening problem-solving and programming skills

Projects

Author — ‘코딩으로 세상을 바꿀 수 있다면’ (Eng. “If Coding Could Change the World”) Jul. 2023

- Authored an educational book for teenagers introducing computing history, programming principles, IT careers, tech accessibility, and ethical/environmental perspectives of AI
- Delivered a book talk and mentoring session at Seosan Girl’s High School, encouraging students to explore IT-related careers

Mentor, GHC 22 Open Source Day

Sep. 2022

- Mentored participants contributing to open source projects during the event

Coding Class for Elementary Students (Employee Children Program)

2016

- Designed and delivered Scratch-based coding classes across multiple cohorts for elementary school students (children of employees), introducing foundational programming concepts and sparking interest in computational thinking

Intern, Spoken Language Laboratory (Sogang Univ.)

Jun. 2013 – Nov. 2013

- Organized experimental results, co-authored “Sphinx4-based Hub4 Speech Recognizer Implementation and Performance Evaluation” and presented findings at a national conference

Sogang University — ACM Programming Contest Committee

Nov. 2012, Nov. 2013

- Served as a problem setter and judge for the university’s ACM programming contest, creating and reviewing algorithm problems for difficulty, clarity, and test data quality

Awards

- *Google Code Jam to I/O for Women 2018*: Ranked 181st (invited to Google I/O 2018)
- *Google Code Jam to I/O for Women 2017*: Ranked 58th (invited to Google I/O 2017)
- *ACM-ICPC Daejeon Regional 2013*: 10th place (Official Korean Regional Contest)
- *ACM-ICPC Daejeon Regional 2012*: 11th place (Official Korean Regional Contest)