

## WORK EXPERIENCE

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Jul 2021 - present

### HYPERCONNECT

#### Engineering Manager, ML Software

*Aug 2025 - present*

Leading and managing a software engineering team in “Match Group AI” department. Team is working on various AI projects in collaboration with Match Group’s global brands, including Tinder, Hinge, and Pairs.

#### Senior Machine Learning Software Engineer

*Mar 2024 - Jul 2025*

Leading cross-team projects, guiding juniors, and contributing to the company’s business by software engineering while managing technical depts. Mainly design, implement, and review ML backend system.

- Tinder new AI initiative (2024 - 2025)
- Recommendation system for Azar, Hakuna, and Enterprise (2024)

#### Machine Learning Software Engineer

*Jul 2021 - Feb 2024*

Designed and developed backend servers and data pipelines interacting with machine learning models. Contributed as a technical lead or project lead roles for some projects. As a result, AI recommendation has driven Azar’s double-digit Y/Y revenue growth in 2023 ([ref](#)).

- Azar 1:1 matchmaking recommendation system (session-based recsys) (2022 - 2024)
- Hakuna Live / Enterprise live platform recommendation system (2021 - 2024)
- ML Feature Store (2022 - 2024)
- Others: *Infra cost optimization on various ML projects, user search system for Hakuna and Enterprise live platform, ML-based trust & safety system, developed company-wide internal tools (Internal ChatGPT, etc), and led various TFs.*

Jul 2020 - Sep 2020

### NAVER Corp, Software Engineer Intern

Feb 2019 - Jul 2019

### JENNIFERSOFT, Frontend Software Engineer Intern

Jan 2015 - Dec 2018

### Freelancer Software Engineer

## EDUCATION

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Sep 2019 - Aug 2021

### M.S. in Computer Science, KAIST

Daejeon, Korea

- GPA: 4.0 / 4.3, Advisor: Sunghee Choi
- Thesis: *Progressive Transmission and Inference of Deep Learning Models Served over Network*

Mar 2015 - Aug 2019

### B.S. in Computer Science, Hanyang University

Seoul, Korea

- GPA: 3.97 / 4.5

Mar 2012 - Feb 2015

### Korea Digital Media High School

## SOFTWARE DEVELOPMENT SKILLS

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<b>Language</b>	Python, Kotlin, TypeScript
<b>Backend</b>	FastAPI, Apache Flink (streaming), Spring <sup>†</sup>
<b>Web Frontend</b>	React
<b>Database</b>	Cassandra (ScyllaDB), Redis, MySQL <sup>†</sup>
<b>ML/Data</b>	BigQuery, Airflow, Kubeflow, PyTorch <sup>†</sup>

Bold: Familiar  
†: Little experience

## INVITED TALKS / CONFERENCES

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- 실시간 추천 시스템을 위한 **Feature Store** 구현기, **DEVVIEW 2023**  
Feb 2023, <https://devview.kr/2023/sessions/536>

## TECHNICAL ARTICLES (Highlighted)

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- 고성능 ML 백엔드를 위한 **10가지 Python 성능 최적화 팁**, **HYPERCONNECT Tech Blog**  
May 2023, <https://hyperconnect.github.io/2023/05/30/Python-Performance-Tips.html>

## PUBLICATIONS

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- [3] Beomsu Kim, Sangbum Kim, Minchan Kim, Joonyoung Yi, Sungjoo Ha, Suhyun Lee, **Youngsoo Lee**, Gihun Yeom, Buru Chang, Gihun Lee, “**CUPID: A Real-Time Session-Based Reciprocal Recommendation System for a One-on-One Social Discovery Platform**”, *ICDM 2024 Workshop*, <https://arxiv.org/abs/2410.18087v1>
- [2] **Youngsoo Lee**, Sangdoon Yun, Yeonghun Kim, and Sunghee Choi, “**Progressive Transmission and Inference of Deep Learning Models**“, *20th IEEE International Conference on Machine Learning and Applications (ICMLA)*, 2021  
<https://arxiv.org/abs/2110.00916>
- [1] **Youngsoo Lee** and Sunghee Choi, “**A Greedy Load Balancing Algorithm for FaaS Platforms**”, *5th International Conference on Cloud and Big Data Computing*, 2021  
<https://dl.acm.org/doi/10.1145/3481646.3481657>

## OTHERS

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- **SW Maestro Program, Top Certified**  
Jul 2016 ~ Oct 2017, Awarded as top 8 teams among 33 teams
- **Color Scripter - Personal project**  
2021 ~ Present, 10~20k visitors per month, Operating over 10 years

Last update: Jan, 2026