Hyunsik Jeon

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Senior Applied Scientist @ Microsoft

PROFILE

AI Researcher/Scientist with **8+ years** of hands-on experience in **Recommender Systems (RecSys)**, focusing on **Conversational** and **Sequential** recommendation. Proven track in ideation through published **10+ papers** in top-tier AI/ML venues (e.g., [KDD](#), [WWW](#), [CIKM](#), [RecSys](#)) and the **Best Ph.D. Dissertation** award. Proficient in Python, PyTorch, Machine Learning, Large Language Models (LLMs), and Large Vision-Language Models (VLMs). Honored with multiple **paper awards** and **OpenAI research credits**.

TECHNICAL SKILLS

ML/AI	Recommender Systems, Large Language Models, Large Vision-Language Models, Graph ML
Language & Framework	Python & PyTorch

EMPLOYMENT

Senior Applied Scientist, Microsoft (Redmond, USA)   *Feb. 2026 - Present*

- Researching on-device AI

Postdoctoral Researcher, University of California, San Diego (San Diego, USA)   *Sep 2023 - Aug 2025*

- **Conversational recommender systems** utilizing large vision-language models ([KDD](#), 2025)
- **Calibrated sequential recommendation** integrating customized training and reranking ([CIKM](#), 2024)
- **Efficient conversational recommendation** with neighborhood-based approach ([RecSys](#), 2024)
- Collaborated with industry partners (Netflix, Snap, Toyota) on advanced RecSys solutions

ML Research Intern, Hyperconnect (Seoul, South Korea)   *Jul 2020 - Aug 2020*

- Explored large-scale recommendation algorithms to optimize user engagement
- Implemented a prototype of **reciprocal recommendation**

EDUCATION

Ph.D. in Computer Science & Engineering   *Aug 2023*
Seoul National University, Seoul, South Korea
Best Ph.D. Dissertation Award

M.Sc. in Computer Science & Engineering   *Feb 2019*
Seoul National University, Seoul, South Korea

B.Sc. in Computer Science & Engineering   *Feb 2017*
Hanyang University, Seoul, South Korea

SELECTED PUBLICATIONS

- **Adapting Large Vision-Language Models to Visually-Aware Conversational Recommendation.**
  Hyunsik Jeon, *et al. In* [KDD](#), 2025.

- **Calibration-Disentangled Learning and Relevance-Prioritized Reranking for Calibrated Sequential Recommendation.**
  Hyunsik Jeon, *et al. In* [CIKM](#), 2024.

- **Neighborhood-Based Collaborative Filtering for Conversational Recommendation.**
  Hyunsik Jeon, *et al.* (co-first author) *In* [RecSys](#), 2024 (Short Paper).

- **Cold-start Bundle Recommendation via Popularity-based Coalescence and Curriculum Heating.**
  Hyunsik Jeon, *et al. In* WWW, 2024, **Selected Oral Presentation**.

- **Aggregately Diversified Bundle Recommendation via Popularity Debiasing and Configuration-aware Reranking.**
  Hyunsik Jeon, *et al. In* PAKDD, 2023.

- **Accurate Action Recommendation for Smart Home via Two-Level Encoders and Common-sense Knowledge.**
  Hyunsik Jeon, *et al. In* CIKM, 2022, **SIGIR Student Travel Grants**.

- **Data Context Adaptation for Accurate Recommendation with Additional Information.**
  Hyunsik Jeon, *et al. In* BigData, 2019, **Samsung HumanTech Paper Award**.

SELECTED AWARDS & HONORS

- **OpenAI API Credit for Research Support** (USD 1,000) *2025*
- **Best Ph.D. Dissertation Award**, Seoul National University *2023*
- **Sejong Science Fellowship Grant**, National Research Foundation of Korea *2023*
- **Best Student Paper**, PAKDD 2020 *2020*
- **HumanTech Paper Award** (4th in CSE), Samsung *2020*
- **MIND News Recommendation Competition** (2nd place), Microsoft Research *2020*

PROFESSIONAL SERVICE

- **Session Chair**, CIKM 2024
- **PC/Reviewer**: KDD, WWW, CIKM, WSDM, NeurIPS, ICLR, etc.
- **Mentor**, PhD Symposium at CIKM 2024

REFERENCES

- **Prof. Julian McAuley**, *Postdoc Advisor* - UC San Diego: jmcauley@ucsd.edu
- **Prof. U Kang**, *PhD Advisor* - Seoul National University: ukang@snu.ac.kr