

# Minseo Kim

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## Education

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### KAIST (Korea Advanced Institute of Science and Technology)

PH.D IN ARTIFICIAL INTELLIGENCE

- Adviser: Prof. Edward Choi
- User Simulation, Persona Agents, Medical NLP

Seongnam, KR

Mar. 2025 - current

### GIST (Gwangju Institute of Science and Technology)

B.S IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

- Integrated Minor of Legal Studies and Philosophy

Gwangju, KR

Mar. 2020 - 2024

### University of California, Berkeley

SUMMER EXCHANGE

- CS61BL, Data Structure and Methodology
- RHET166, Rhetoric in Law and Politics

Berkeley, CA (Real-time remote)

Jun. 2021 - Aug. 2021

### University of California, Berkeley

EXCHANGE STUDENT (BERKELEY GLOBAL ACCESS)

- CS188, Data Structure and Methodology
- CS161, Computer Security
- CHEM 171H, Berkeley Changemaker: The Green Material
- BUSADMX489.8-002, Career Development and Coaching Seminar

Berkeley, CA

Spring 2023

### Seoul National University

CREDIT EXCHANGE (FROM DOMESTIC UNIVERSITY)

- M1522.001000, Computer Vision
- 046.009, Evolution of the Universe
- 042.017, Religion and Film
- 043.066, Philosophical Understanding of Science

Seoul, KR

Fall 2023

## Publications

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### PICon: A Multi-Turn Interrogation Framework for Evaluating Persona Agent Consistency

MINSEO KIM\*, SUJEONG IM\*, JUNSEONG CHOI, JUNHEE LEE, CHAE EUN SHIM, HWAJUNG HONG, EDWARD CHOI

- Research on examining consistency of persona agents, specifically designed as a human proxy for user simulation.
- Paper URL: <https://arxiv.org/pdf/2603.25620>
- Demo URL: <https://kaist-edlab.github.io/picon/demo/>
- GitHub Repo: <https://github.com/willystumblr/picon>

arXiv Preprint

## Experience

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### GIST Institute of Artificial Intelligence, GIAI

RESEARCH INTERN

- Assisted research work on creating a chatbot as a 'friendly robot'.
- Weekly meeting: NLP Paper reading & CS224N
  - Information Retrieval
  - Question Answering
- Research on dense models' failure cases on 5W1H queries

Gwangju, KR

Nov. 2021 - Jun. 2022

### LK Lab, KAIST (advised by Prof. Minjoon Seo)

RESEARCH INTERN

- Assisted research work on improving IR models being advised by Hanseok Oh (MS), and Prof. Minjoon Seo
  - *Semantic Filtering*, focusing on model's improvement on lexical matching and conditional queries
  - *Universal Retrieval*, domain-free IR models
- IR & QA Reading Group

Seoul, KR

Nov. 2021 - Jun. 2022

### EdLab, KAIST (advised by Prof. Edward Choi)

RESEARCH INTERN

- Medical AI/NLP
- **ehrsq1-2024**: Text-to-SQL on EHR database

Seongnam, KR

Dec. 2023 - Feb. 2024

## Extracurricular Activity

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### GDSC (Google Developers Student Club)

Gwangju, KR

LEAD Aug. 2021 - Jul. 2022

- Organized a half-year curriculum for club members and encouraged an active developers' community.
- Study Group Activity: Coursera NLP Course
- Kaggle Competitions Projects including *Titanic - Machine Learning from Disaster* and *Natural Language Processing with Disaster Tweets*
- Paper Reading Study: taught a methodology and offered tips about reading papers as a mentor
- Collaborated with GDG Gwangju for a series of Tech Seminar.

### Google Data Analytics Professional Certificate

Coursera

GOOGLE Jan. 2024

- Data Processing, Visualization, and R programming

## Awards

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2022	<b>Participation Prize</b> , GIST Integrated Technology Contest: EMS Development by GIST	Gwangju, KR
2023	<b>Excellence Award</b> , 2023 K-ium Medical AI Contest by PNUH	Busan, KR
2023	<b>Grand Prize</b> , GIST Integrated Technology Contest: EMS Development by GIST	Gwangju, KR
2023	<b>Finalist</b> , 2023 Korean AI Competition by MSIT & NIA	KR

## Program Committees

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02.04.22	<b>Organizer</b> , 2022 GDSC KR Winter Hack	Online, KR
02.25.22	<b>Organizer &amp; Host</b> , GDSC Global TechFeb 2022	Live Stream
03.15.22	<b>Organizer &amp; Host</b> , GDG X GDSC Collaboration Event: AI in Wonderland	Gwangju, KR
04.30.22	<b>Organizer &amp; Host</b> , GDG X GDSC Collaboration Event: Cloud in Wonderland	Gwangju, KR

## Skills

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<b>Programming</b>	Python, JAVA, C, SQL, Go
<b>Tools</b>	Huggingface, Git, Docker, PyTorch/Keras
<b>Language</b>	English (fluent: TOEFL 106/120, TOEIC 930/990) TEPS (530/600)