

Seongyun Lee

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PROFILE

I'm a **third-year** student at **Korea University**, majoring in **computer science**. My main research goal is to build a safe, knowledgeable, and robust conversational language model to address the real world problems efficiently.

RESEARCH INTERESTS

I'm interested in (1) applying the language model to solve real-world problems efficiently (**Commonsense Reasoning / Knowledge intensive tasks, Multimodal**) (2) building a conversational agent that thinks and communicates like human beings (**Dialogue, Conversational Question Answering**) (3) finally, having a good influence to our society (**NLP for Social Good, Safe AI**).

EDUCATION

Mar 2020 — Feb 2024	Computer Science and Engineering Korea University	Seoul
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PUBLICATION

Nov 2022	LIQUID: A Framework for List Question Answering Dataset Generation Seongyun Lee* , Hyunjae Kim*, Jaewoo Kang AAAI 2023 (Acceptance Rate: 19.6%)
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EXPERIENCE

Dec 2022 — Present	Research Intern, LK Lab, KAIST AI (Prof. Minjoon Seo) Working on researching about video retrieval.	Seoul
Sep 2022 — Present	NLP Team Leader & Co-founder, AIKU (Korea University AI Society) Working on (1) leading some NLP study sessions for juniors, (2) paper reading sessions for seniors, and (3) textbook summarization & question generation project.	Seoul
Jul 2021 — Dec 2021	Research Intern, DMIS Lab, Korea University (Prof. Jaewoo Kang) Participated in BioASQ challenge and took 2 nd place in some batches. Following the challenge, studied the methodology of augmenting the data needed for list question answering, and submitted the paper to AAAI 2023	Seoul
Jul 2021 — Feb 2022	Board, KWEB (Korea University Web Development Society) Participated in several web development projects as a backend developer	Seoul

AWARD

Sep 2022	2 nd place, BioASQ 10B Batch 3: semantic QA Worked on coding the biomedical QA model and tuning parameters for answering factoid-/list-type questions	Bologna
Sep 2022	2 nd place, BioASQ 10B collaborative: semantic QA Worked on augmenting the factoid-/list-type QA data	Bologna

Mar 2020 — Feb 2024

National Science & Technology Scholarship (Full-ride scholarship)

PROJECT

Dec 2022 — Present

Video Moment Retrieval
Working on researching video moment retrieval as LK Lab internship.

Dec 2022 — Present

TEXAS: TEXtbook summarization And question generation for Student
TEXAS is the framework that summarizes your own textbook data and generates the question & answer set based summarized text.

Dec 2022 — Present

Golden Retriever
Golden Retriever is the service that search most similar images given user text query.