Ji Soo Lee

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Personal Profile

A master's student in MLV Lab of Korea University in South Korea, under the supervision of Prof. Hyunwoo J. Kim. I received my BS degree from the Department of Computer Science and Engineering at Korea University. My interests involve multi-modal understanding with foundation models.

Education

College of Informatics, Korea University   *Seoul, Korea*
MS., Computer Science and Engineering   *Sept 2023 - Current*

College of Informatics, Korea University   *Seoul, Korea*
BS., Computer Science and Engineering   *March 2019 - Aug 2023*

International School of Prague   *Prague, Czech Republic*
High School   *Apr 2015 - May 2018*
- International Baccalaureate (IB)
- High-Level subjects: Physics, Computer Science and Mathematics
- Standard Level subjects: Economics, Spanish and English

Publications

CONFERENCE PROCEEDINGS

Bidirectional Likelihood Estimation with Multi-Modal Large Language Models for Text-Video Retrieval
  Dohwan Ko[*], **Ji Soo Lee**[*], Minhyuk Choi, Zihang Meng, Hyunwoo J Kim
  ICCV Highlight, 2025

VidChain: Chain-of-Tasks with Metric-based Direct Preference Optimization for Dense Video Captioning
  Ji Soo Lee[*], Jongha Kim[*], Jeehye Na, Jinyoung Park, Hyunwoo J Kim
  AAAI, 2025

Captioning for Text-Video Retrieval via DualGroup-Direct Preference Optimization
  Ji Soo Lee, Byungoh Ko, Jaewon Cho, Howoong Lee, Jaewoon Byun, Hyunwoo J Kim
  UnderReview, 2025

Large Language Models are Temporal and Causal Reasoners for Video Question Answering
  Dohwan Ko[*], **Ji Soo Lee**[*], Wooyoung Kang, Byungseok Roh, Hyunwoo J Kim
  EMNLP, 2023

Open-vocabulary Video Question Answering: A New Benchmark for Evaluating the Generalizability of Video Question Answering Models
  Dohwan Ko, **Ji Soo Lee**, Miso Choi, Jaewon Chu, Jihwan Park, Hyunwoo J Kim
  ICCV, 2023

Work Experience

MLV Lab   *Seoul, Korea*
Research Intern   *April 2022 - Aug 2023*
- Computer Vision, Foundation models, Multi-modal

SATUS   *Seoul, Korea*
Software Engineer   *Sept 2020 - Aug 2022*
- Developed, maintained, and shipped production code for client websites
- *e.g.*, Home Website, Intranet, Student Planner

SATUS   *Seoul, Korea*
Teacher Assistant / Tutor   *June 2019 - Aug 2021*
- International Baccalaureate(IB) curriculum
- **Fields:** Computer Science, Physics, Mathematics, Economics

Skills

2025	**920/990**, TOEIC	*ETS*
2018	**A2**, DELE	*Instituto Cervantes*
2018	**111/120**, TOEFL	*ETS*

Achievements

2023	**Travel award**, International Conference on Computer Vision (ICCV)	*Award*
2023	**Academic Excellence Freshman scholarship**, Korea University	*Scholarship*
2020	**Data Science with Python**, Byte Degree, Fast Campus	*Certificate*

Languages

Korean Fluent
English Fluent
Spanish Elementary

References available upon request.