Chanjun Park

Principal Research Engineer, Upstage
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https://parkchanjun.github.io/

RESEARCH INTERESTS

My research philosophy is centered on service-driven research, aiming to bridge the gap between foundational theories in natural language processing (NLP) and their practical, real-world applications. My primary interests include the development of efficient, purpose-trained Large Language Models (LLMs), with a particular focus on their fundamental capabilities, rigorous evaluation, and addressing issues of recency and truthfulness. Additionally, I am deeply engaged in cross-lingual NLP and multidisciplinary research that integrates diverse fields to enhance NLP applications.

EDUCATION

- **Korea University**   Sep. 2019 - Aug. 2023
  Ph.D. in Computer Science and Engineering (advisor: Heuiseok Lim)
  Dissertation: Data-Centric Neural Machine Translation - A Real-World Approaches
- **Busan University of Foreign Studies (BUFS)**   Mar. 2015 - Feb. 2019
  B.S. in Natural Language Processing & Creative Convergence (advisor: Pum-mo Ryu)

WORK EXPERIENCES

- **Upstage**   Mar. 2022 - Present
  Principal Research Engineer, Technical Leader (July. 2023 - Present)
  AI Research Engineer (July. 2022 - July.2023)
  AI Research Engineer Intern (Mar. 2022 - July.2022)

- **Korea University NLP & AI Lab**   July. 2019 - July.2022
  Research Assistant (advisor: Prof. Heuiseok Lim)

- **SYSTRAN**   June. 2018 - July. 2019
  Research Engineer (Sep. 2018 - July. 2019)
  Research Engineer Intern (June. 2018 - Aug. 2018)

PUBLICATIONS

Equal contribution: *, Corresponding author: †

1. **Open Ko-LLM Leaderboard: Evaluating Large Language Models in Korean with Ko-H5 Benchmark**
   Chanjun Park, Hyeonwoo Kim, Dahyun Kim, SeongHwan Cho, Sanghoon Kim, Sukyung Lee, Yungi Kim, Hwalsuk Lee
   ACL 2024

2. **KoCommonGEN v2: A Benchmark for Navigating Korean Commonsense Reasoning Challenges in Large Language Models**
   Jaehyung Seo, Jaewook Lee, Chanjun Park, SeongTae Hong, Seungjun Lee, Heuiseok Lim
   ACL 2024-Findings

3. **Length-aware Byte Pair Encoding for Mitigating Over-segmentation in Korean Machine Translation**
   Jungseob Lee, Hyeonseok Moon, Seungjun Lee, Chanjun Park†, Sugyeong Eo, Hyunwoong Ko, Jaehyung Seo, Seungyoon Lee, Heuiseok Lim†
   ACL 2024-Findings

4. **SOLAR 10.7B: Scaling Large Language Models with Simple yet Effective Depth Up-Scaling**
Sanghoon Kim[*,†], Dahyun Kim[*], Chanjun Park[*,†], Wonsung Lee[*,†], Wonho Song[*], Yunsu Kim[*], Hyeonwoo Kim[*], Yungi Kim, Hyeonju Lee, Jihoo Kim, Changbae Ahn, Seonghoon Yang, Sukyung Lee, Hyunbyung Park, Gyoungjin Gim, Mikyoung Cha, Hwalsuk Lee[†], Sunghun Kim[†]
NAACL 2024 - Industry Track

5. **Exploring Inherent Biases in LLMs within Korean Social Context: A Comparative Analysis of ChatGPT and GPT-4**
Seungyoon Lee, Dongjun Kim, Dahyun Jung, Chanjun Park[†], Heuiseok Lim[†]
NAACL 2024 - Student Research Workshop

6. **Explainable CED: A Dataset for Explainable Critical Error Detection in Machine Translation**
Dahyun Jung, Sugyeong Eo, Chanjun Park[†], Heuiseok Lim[†]
NAACL 2024 - Student Research Workshop

7. **Leveraging Pre-existing Resources for Data-Efficient Counter-Narrative Generation in Korean**
Seungyoon Lee, Chanjun Park[†], DaHyun Jung, Hyeonseok Moon, Jaehyung Seo, Sugyeong Eo, Heuiseok Lim[†]
LREC-COLING 2024, Oral

8. **Detecting Critical Errors Considering Cross-Cultural Factors in English-Korean Translation**
Sugyeong Eo, Jungwoo Lim, Chanjun Park, Hyeonseok Moon, Jaehyung Seo, Heuiseok Lim
LREC-COLING 2024, Oral

9. **Hyper-BTS Dataset: Scalability and Enhanced Analysis of Back TranScription (BTS) for ASR Post-Processing**
Chanjun Park, Jaehyung Seo, Seolhwa Lee, Junyoung Son, Hyeonseok Moon, Sugyeong Eo, Chanhee Lee, Heuiseok Lim
EACL 2024-Findings

10. **Generative Interpretation: Toward Human-Like Evaluation for Educational Question-Answer Pair Generation**
Hyeonseok Moon, Jaewook Lee, Sugyeong Eo, Chanjun Park, Jaehyung Seo, Heuiseok Lim
EACL 2024-Findings

11. **Model-Based Data-Centric AI: Bridging the Divide Between Academic Ideals and Industrial Pragmatism**
Chanjun Park[*,†], Minsoo Khang[*], Dahyun Kim[*]
ICLR 2024 - Data-centric Machine Learning Research (DMLR) Workshop

12. **KEBAP: Korean Error Explainable Benchmark Dataset for ASR and Post-processing**
Seonmin Koo[*], Chanjun Park[*], Jinsung Kim, Jaehyung Seo, Sugyeong Eo, Hyeonseok Moon, Heuiseok Lim
EMNLP 2023

13. **CHEF in the Language Kitchen: A Generative Data Augmentation Leveraging Korean Morpheme Ingredients**
Jaehyung Seo, Hyeonseok Moon, Jaewook Lee, Sugyeong Eo, Chanjun Park, Heuiseok Lim
EMNLP 2023

14. **Proceedings of the Seventh Widening NLP Workshop (WiNLP 2023)**
Bonaventure F. P. Dossou, Isidora Tourni, Hatem Haddad, Shaily Bhatt, Fatemehsadat Mireshghallah, Sunipa Dev, Tanvi Anand, Weijia Xu, Atnafu Lambebo Tonja, Alfredo Gomez, Chanjun Park
EMNLP 2023-Widening NLP Workshop

15. **Alternative Speech: Complementary Method to Counter-Narrative for Better Discourse**
Seungyoon Lee[*], DaHyun Jung[*], Chanjun Park[*], Seolhwa Lee, Heuiseok Lim
ICDM 2023 - The First Workshop on Data-Centric AI

16. **Synthetic Alone: Exploring the Dark Side of Synthetic Data for Grammatical Error Correction**
Chanjun Park[*], Seonmin Koo[*], Seolhwa Lee, Jaehyung Seo, Sugyeong Eo, Hyeonseok Moon, Heuiseok Lim
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

17. **DMOps: Data Management Operation and Recipes**
Eujeong Choi, Chanjun Park[*,†]
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

18. **Inter-Annotator Agreement in the Wild: Uncovering Its Emerging Roles and Considerations in Real-World Scenarios**
NamHyeok Kim, Chanjun Park[*,†]
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

19. **Transcending Traditional Boundaries: Leveraging Inter-Annotator Agreement (IAA) for Enhancing Data Management Operations**
Damrin Kim, NamHyeok Kim, Chanjun Park[†], Harksoo Kim[†]
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

20. **Data-Driven Approach for Formality-Sensitive Machine Translation: Language-Specific Handling and Synthetic Data Generation**
Seugnjun Lee, Hyeonseok Moon, Chanjun Park, Heuiseok Lim
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

21. **Toward Practical Automatic Speech Recognition and Post-Processing: a Call for Explainable Error Benchmark Guideline**
Seonmin Koo[*], Chanjun Park[*], Jinsung Kim, Jaehyung Seo, Sugyeong Eo, Hyeonseok Moon, Heuiseok Lim
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

22. **Knowledge Graph-Augmented Korean Generative Commonsense Reasoning**
Dahyun Jung, Jaehyung Seo, Jaewook Lee, Chanjun Park, Heuiseok Lim
ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop

23. **Informative Evidence-guided Prompt-based Fine-tuning for English-Korean Critical Error Detection**
DaHyun Jung, Sugyeong Eo, Chanjun Park, Hyeonseok Moon, Jaehyung Seo, Heuiseok Lim
IJCNLP-AACL 2023

24. **Improving Formality-Sensitive Machine Translation using Data-Centric Approaches and Prompt Engineering**
Seugnjun Lee, Hyeonseok Moon, Chanjun Park, Heuiseok Lim
IWSLT 2023

25. **PEEP-Talk: A Situational Dialogue-based Chatbot for English Education**
Seugnjun Lee, Yoonna Jang, Chanjun Park, Jungseob Lee, Jaehyung Seo, Hyeonseok Moon, Sugyeong Eo, Seounghoon Lee, Bernardo Nugroho Yahya, Heuiseok Lim
ACL 2023 - Demo Track

26. **PicTalky: Augmentative and Alternative Communication for Language Developmental Disabilities**
Chanjun Park[*], Yoonna Jang[*], Seolhwa Lee[*], Jaehyung Seo[*], Kisu Yang, Heuiseok Lim
AACL-IJCNLP 2022 - Demo Track

27. **KU X Upstage's submission for the WMT22 Quality Estimation: Critical Error Detection Shared Task**
Sugyeong Eo, Chanjun Park, Hyeonseok Moon, Jaehyung Seo, Heuiseok Lim
WMT 2022

28. **QUAK: A Synthetic Quality Estimation Dataset for Korean-English Neural Machine Translation**
Sugyeong Eo, Chanjun Park, Hyeonseok Moon, Jaehyung Seo, Gyeongmin Kim, Jungseob Lee, Heuiseok Lim
COLING 2022

29. **Focus on FoCus: Is FoCus focused on Context, Knowledge and Persona?**
SeungYoon Lee, Jungseob Lee, Chanjun Park, Sugyeong Eo, Hyeonseok Moon, Jaehyung Seo, Jeongbae Park, Heuiseok Lim
COLING 2022 - The 1st Workshop on Customized Chat Grounding Persona and Knowledge

30. **A Dog Is Passing Over The Jet? A Text-Generation Dataset for Korean Commonsense Reasoning and Evaluation**
Jaehyung Seo, Seounghoon Lee, Chanjun Park, Yoonna Jang, Hyeonseok Moon, Sugyeong Eo, Seonmin Koo, Heuiseok Lim
NAACL 2022-Findings

31. **Priming Ancient Korean Neural Machine Translation**
Chanjun Park[*], Seolhwa Lee[*], Hyeonseok Moon, Sugyeong Eo, Jaehyung Seo, Heuiseok Lim
LREC 2022, Oral

32. **FreeTalky: Don't Be Afraid! Conversations Made Easier by a Humanoid Robot using Persona-based Dialogue**
Chanjun Park[*], Yoonna Jang[*], Seolhwa Lee[*], Sungjin Park[*], Heuiseok Lim
LREC 2022

33. **Empirical Analysis of Synthetic Data Generation Using Noising Strategies for Automatic Post-editing**
Hyeonseok Moon, <u>Chanjun Park</u>, Seolhwa Lee, Jaehyung Seo, Jeongsub Lee, Sugyeong Eo, Heuiseok Lim
LREC 2022

34. **A Self-Supervised Automatic Post-Editing Data Generation Tool**
Hyeonseok Moon, <u>Chanjun Park</u>, Sugyeong Eo, Jaehyung Seo, Seungjun Lee, Heuiseok Lim
ICML 2022 - DataPerf Workshop

35. **FreeTalky: Don't Be Afraid! Conversations Made Easier by a Humanoid Robot using Persona-based Dialogue**
<u>Chanjun Park</u>[*], Yoonna Jang[*], Seolhwa Lee[*], Sungjin Park[*], Heuiseok Lim
AAAI 2022 -Artificial Intelligence for Education (AI4EDU)

36. **How should human translation coexist with NMT? Efficient tool for building high quality parallel corpus**
<u>Chanjun Park</u>, Seolhwa Lee, Hyeonseok Moon, Sugyeong Eo, Jaehyung Seo, Heuiseok Lim
NeurIPS 2021 - Data-centric AI (DCAI) workshop

37. **A New Tool for Efficiently Generating Quality Estimation Datasets**
Sugyeong Eo, <u>Chanjun Park</u>, Jaehyung Seo, Hyeonseok Moon, Heuiseok Lim
NeurIPS 2021 - Data-centric AI (DCAI) workshop

38. **Automatic Knowledge Augmentation for Generative Commonsense Reasoning**
Jaehyung Seo, <u>Chanjun Park</u>, Sugyeong Eo, Hyeonseok Moon, Heuiseok Lim
NeurIPS 2021 - Data-centric AI (DCAI) workshop

39. **Syntax-enhanced Dialogue Summarization using Syntax-aware information**
Seolhwa Lee, Kisu Yang, <u>Chanjun Park</u>, João Sedoc, Heuiseok Lim
NeurIPS 2021 - Women in Machine Learning workshop, Oral

40. **Towards Syntax-Aware Dialogue Summarization using Multi-task Learning**
Seolhwa Lee, Kisu Yang, <u>Chanjun Park</u>, João Sedoc, Heuiseok Lim
EMNLP 2021 -Widening NLP (WiNLP2021) workshop

41. **Two Heads are Better than One? Verification of Ensemble Effect in Neural Machine Translation**
<u>Chanjun Park</u>, Sungjin Park, Seolhwa Lee, Taesun Whang, Heuiseok Lim
EMNLP 2021 -The Second Workshop on Insights from Negative Results in NLP, Oral

42. **BTS: Back TranScription for Speech-to-Text Post-Processor using Text-to-Speech-to-Text**
<u>Chanjun Park</u>, Jaehyung Seo, Seolhwa Lee, Chanhee Lee, Hyeonseok Moon, Sugyeong Eo, Heuiseok Lim
ACL 2021 -Workshop on Asian Translation (WAT), Oral

43. **Dealing with the Paradox of Quality Estimation**
Sugyeong Eo[*], <u>Chanjun Park</u>[*], Jaehyung Seo, Hyeonseok Moon, Heuiseok Lim
MT Summit 2021 - Workshop on Technologies for Machine Translation of Low-Resource Languages (LoResMT)

44. **Should we find another model?: Improving Neural Machine Translation Performance with ONE-Piece Tokenization Method without Model Modification**
<u>Chanjun Park</u>[*], Sugyeong Eo[*], Hyeonseok Moon[*], Heuiseok Lim
NAACL-HLT 2021 - Industry Track, Oral

In addition, I have published 31 papers in international journals (SCI/SCIE), 21 papers in domestic journals (KCI), 57 papers in domestic conferences, and 34 papers in other international conferences.

Research Projects

Upstage

- **LLM Projects**: Solar | sDPO | SAAS | Open Ko-LLM Leaderboard | Dataverse | Evalverse | Up 1 Trillion Token Club | MathGPT (with KT & Mathpresso)| E-Commerce LLM (with Connectwave) | News LLM (with BIG KINDS) | Law LLM (with Law&Company) | Medical LLM (with PHI Digital Healthcare) | Thai LLM (with KT & Jasmine Technology Solution) | AskUp Biz

- **Document AI Projects**: DMOps | Model-Based Data-Centric AI

- **Semantic Search Projects**: Semantic Search Pack (with LG U+ & Amorepacific respectively)

- **Education Projects**: Upstage AI Lab (with Fastcampus) | Boostcamp (with NAVER Connect Foundation) | Pretraining LLMs (with DeepLearning.AI)

- **National Projects**: Development of learning and utilization technology to reflect sustainability of generative language models and up-to-dateness over time (IITP) | Development of a Generative AI Agent-Based Legal Case Analysis Support Service (NIPA)

Korea University

- **National Projects**: A Neural-Symbolic Model for Knowledge Acquisition and Inference Techniques (IITP) | Research and Development of Human-inspired multiple intelligence (IITP) | ICT Creative Consilience Program (IITP) | Research on Korean/English Translation Technology in the Security Domain (National Security Research Institute (NRF)
- **Industry Projects**: Research on Utilizing Low to Medium Quality Data to Improve NMT Performance (Naver Papago) | Development of technology for extracting purpose sentences and key phrases from patent documents (LG innotek) | Research on Korean Prompt-Based Engineering for Few-Shot Learners (Hyundai Motors)
- **Internal Projects (Data-Centric NLP)**: KoCommonGEN v2 | Korean CommonGen | ChatLang-8 | Hyper-BTS | BTS | KEBAP | KHSCP | CHEF
- **Internal Projects (Model-Centric NLP)**: PU-GEN | Cross lingual Post-training (XPT) | K-FANG (Korean Fake News Detection) | Plain Template Insertion | Dialogue Summarization | Variational Reward estimator Bottleneck (VRB)
- **Internal Projects (NLP Evaluation)**: Self-Improving-Leaderboard (SIL) | Alternative Speech | Generative Interpretation | K-NCT | Grammar Error Correction
- **Internal Projects (NLP Application)**: PEEP-Talk | FreeTalky | PicTalky | AI for Patents | AI Student | BERTOEIC
- **Internal Projects (Machine Translation)**: Machine Translation for Training Data | LeVoc | KNOTICED | Explainable CED | Critical Error Detection | Quality Estimation (QUAK) | Automatic Post Editing | Parallel Corpus Filtering | Domain Specialized NMT (CCM) | Evaluation Metrics for Machine Translation | ONE-Piece | Ancient Korean Neural Machine Translation | Korean Spelling Correction

SYSTRAN

- **National Projects**: Core technology development of the real-time simultaneous speech translation based on knowledge enhancement (Ministry of Science and ICT)
- **Internal Projects**: Neural Machine Translation | Automatic Speech Recognition | Real-time Simultaneous Speech Translation | L Cloud (API Portal) | Grammar Error Correction (with Hello Talk) | AI Voice Assistant (with CJ Logistics)

BUFS

- **National Projects**: Han-Tong-E (National Research Foundation of Korea) | Exobrain (Ministry of Science and ICT, ETRI) | KoNLTK (Ministry of Science and ICT) | ICT VAEMS: Vertical Aquaculture Energy Management (Ministry of Trade, Industry and Energy)

Academic Services

Program Chair

- Widening NLP (WiNLP) Workshop (EMNLP 2023, EMNLP 2024)

Publication Chair

- ICLR 2024-Data-centric Machine Learning Research (DMLR) 2024

Virtual Social Chair

- COLING 2022

Program Committee

- Reviewer of ACL Rolling Review (ACL, EMNLP, NAACL, EACL etc.)
- EMNLP 2024-Industry Track, NeurIPS 2024 Track Datasets and Benchmarks, ACL 2024-ML4AL, NAACL 2024-NLP+CSS, NAACL 2024-Insights, NAACL 2024-BEA, ICLR 2024 Workshop Proposal Reviewing, ICML 2023-Data-centric Machine Learning Research (DMLR), ACL 2023-Industry Track, ACL 2023-BEA, ACL 2022-Insights, NAACL 2022-Industry Track

Journal Reviewer

- ETRI Journal, IEEE Access, International Journal of Human-Computer Interaction, Cybernetics and Systems

External Activities

Committee Member

- AI Ethics and Trustworthiness Forum (2024.04-)
- AI Privacy Policy Council (2023.10-)

Advisor

- National Institute of Korean Language (2024.04-)
- Information Technology Committee of the Republic of Korea Army (2024.05-)
- National Information Society Agency (2024.01-)
- Ministry of Food and Drug Safety (2023.12)
- Yonsei University-Institute of Language and Information Studies (2023.12)
- Software Policy & Research Institutes (2023.08)

AWARDS/FELLOWSHIPS

Awards

- Forbes 30 Under 30 Korea (2024)
- Best Paper Award at The 35th Annual Conference on Human & Cognitive Language Technology - Language Model 2 Section (2023)
- Best Paper Award at The 35th Annual Conference on Human & Cognitive Language Technology - Data Bias & Ethics Section (2023)
- Best Paper Award at Korea University (2023)
- 1st Place at WMT Quality Estimation Shared Task 2022 - Sentence-level Critical Error Detection (2022)
- Best Paper Award at The 34th Annual Conference on Human & Cognitive Language Technology (2022)
- Best Paper Award at The 33rd Annual Conference on Human & Cognitive Language Technology - NLP Application 2 Section (2021)
- Best Paper Award at The 33rd Annual Conference on Human & Cognitive Language Technology - Language Resource Section (2021)
- Best Paper Award at The 33rd Annual Conference on Human & Cognitive Language Technology - QA and Speech Section (2021)
- 1st Place at Flitto Hackathon (2020)
- Best Paper Award at The 32nd Annual Conference on Human & Cognitive Language Technology (2020)
- Best Paper Award at The 31st Annual Conference on Human & Cognitive Language Technology (2019)
- 1st Place at Microsoft AI Accessibility Hackathon in Korea (2019)
- Participation Award at Next Generation Information Processing NLP Competition (2018)
- Bit Computer Excellence Award (President Award) at Bit Computer (2017)

Fellowships

- Research Encouragement Scholarship by Korea University (2023)
- Naver Ph.D. Fellowship (2021)
- Graduate School Associate Scholarship by Sungkyunkwan University (2019)
- Scholarship for academic excellence by Sooyoungro Church (2017)
- Scholarship for academic excellence by Sooyoungro Church (2016)
- Undergraduate Study Full Scholarship by Busan University of Foreign Studies (2015-2019)

PATENTS

International Patents

- **Method for generating training data and method for post-processing of speech recognition using the same**
  Apply for a patent (17/739,383)

- **Method of building training data of machine translation**
  Apply for a patent (PCT/KR2021/012195)

Domestic Patents

- **Device and method for generating of training data for quality estimation in machine translation**
  Granted Patent (10-2593447)

- **Apparatus for corpus processing, apparatus and method and machine translation**
  Granted Patent (10-2574167)

- **Device and method for generating training data for automatic post editing**
  Apply for a patent (10-2021-0118924)

- **Device and method for generating optimal translation subtitle using quality estimation**
  Apply for a patent (10-2021-0117011)

- **Improving speech recognition performance using TTS in domain-specific environment**
  Apply for a patent (10-2021-0028816)

- **Method for generating training data and method for post-processing of speech recognition using the same**
  Granted Patent (10-2557810)

- **Method of building training data of machine translation**
  Granted Patent (10-2409667)

- **Correction performance evaluation metrics of neural network machine translation and method of constructing the same**
  Granted Patent (10-2390154)

- **Apparatus and method for outputting image corresponding to language**
  Granted Patent (10-2476497)

- **Method of translating ancient Korean using machine translation**
  Granted Patent (10-2425922)

- **Device and method for correcting Korean spelling**
  Granted Patent (10-2430918)

TEACHING

- **Pretraining LLMs**, Content Planning and Production, DeepLearning.AI. (2024-)

- **Language Model to Large Language Model (LM to LLM)**, Instructor, Fast Campus. (2023-)

- **Natural Language Processing (NLP) Basic**, Instructor, Fast Campus. (2023-)

- **Learning ChatGPT Utilization and Service Construction with AskUP**, Instructor, Fast Campus. (2023-)

- **Finance Specialized Large Language Model for Everyone**, Instructor, Upstage Online Course. (2023)

- **Data-Centric NLP**, Master (Instructor), BoostCamp - NAVER Connect Foundation. (2023-)

- **Introduction to Natural Language Processing in Big Data (BDC101)**, Teaching Assistant, Korea University (2021)

- **Introduction to Natural Language Processing in Big Data (BDC101)**, Head Teaching Assistant, Korea University (2020)

- **Natural Language Processing for Digital Finance Engineering (DFE610)**, Head Teaching Assistant, Korea University (2020)

- **Natural Language Processing (COSE461)**, Teaching Assistant, Korea University (2020)

- **Artificial Intelligence and Natural Language Processing (DFC615)**, Teaching Assistant, Korea University (2020)

TALKS

- **Sungkyunkwan University**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, July 2024
- **TTA**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, July 2024
- **KCC 2024**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, June 2024
- **Kyungpook National University**, The Ecosystem of LLMs from a Real-World Perspective, June 2024
- **Konkuk University**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, May 2024
- **Applied ML: LLMs and Knowledge Graphs- Tokyo**, The Ecosystem of LLMs from a Real-World Perspective, May 2024
- **Chungnam National University**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, May 2024
- **AI Safety Compass Conference 2024**, Data and Evaluation Methods for Trustworthy AI, May 2024
- **Chonbuk National University**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, May 2024
- **TTA**, LLM Evaluation and its Ecosystem, May 2024
- **ETRI**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, May 2024
- **AI Tech 2024 - AI Frontier for AI Era**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, May 2024
- **No code·Low code Hyper-automation Conference 2024**, The Ecosystem of LLMs from a Real-World Perspective, May 2024
- **Hallym University**, SOLAR: The Next Frontier in Large Language Models by Upstage and its Ecosystem, April 2024
- **Korean Society of Artificial Intelligence in Medicine**, Current state of Large-Scale Generative AI Development, April 2024
- **NIA**, Open Ko-LLM Leaderboard and its Ecosystem, April 2024
- **Korea University College of Medicine - Intelligent Medical Data Lab**, SOLAR: The Next Frontier in Large Language Models by Upstage, February 2024
- **Fast Campus**, Job Employment Special Lecture, February 2024
- **FuriosaAI**, SOLAR: The Next Frontier in Large Language Models by Upstage, February 2024
- **The University of Tokyo - Center for Data-Driven Discovery**, SOLAR: The Next Frontier in Large Language Models by Upstage, January 2024
- **Defense Agency for Technology and Quality (DTaQ)**, Current State of Artificial Intelligence (AI) and Its Application Strategies in the Defense Sector, January 2024
- **National Library of Korea**, Upstage LLM One Pager, January 2024
- **Ministry of Science and ICT - Data Utilization Council**, Upstage LLM One Pager, December 2023
- **Seoul Metropolitan Office of Education-AI & Digital Education Conference**, Reset Moment by Large Language Model, December 2023
- **Korean-English Joint Seminar on Artificial Intelligence (AI) Safety and Reliability**, Upstage Vision for Ethical and Trustworthy Large Language Models, December 2023
- **Digital Innovation Forum (Ministry of Culture, Sports and Tourism)**, Generative AI era: Copyright issues and countermeasures, November 2023
- **Kyungpook National University**, Upstage LLM One Pager, November 2023
- **Future Technology Exchange Conference in Southeast Region**, Upstage LLM One Pager, November 2023
- **Jeju National University - Guest lecture**, Upstage LLM One Pager, November 2023
- **Busan University of Foreign Studies**, From Language Model to Large Language Model, November 2023
- **KB Kookmin Bank**, Areas of Generative AI Application in Business, November 2023
- **Human-Inspired AI Research**, Upstage LLM One Pager, November 2023
- **NIA**, Upstage LLM and latest B2B LLM trends, October 2023
- **Woongjin Thinkbig**, Upstage LLM One Pager, September 2023

- **Kyobo Life Insurance**, Upstage and Private LLM, September 2023
- **HD Korea Shipbuilding & Offshore Engineering**, Upstage and Private LLM, September 2023
- **Korea University - Guest lecture**, From Language Model to Large Language Model, September 2023
- **HanYang University - Guest lecture**, From Language Model to Large Language Model, September 2023
- **Korea Institute of Patent Information**, Upstage LLM and latest B2B LLM trends, September 2023
- **AGI Town in Seoul**, The use case of solving customer problems using LLM, September 2023
- **Fast Campus**, Job Employment Special Lecture, September 2023
- **HD Korea Shipbuilding & Offshore Engineering**, Upstage LLM and latest B2B LLM trends, August 2023
- **Upstage Webinar**, The Future of Finance/Insurance Transformed by Generative AI, August 2023
- **Google I/O Extended 2023 Incheon**, From Language Model to Large Language Model, August 2023
- **POSCO RIST**, Data-Centric AI in Real-World, July 2023
- **Google I/O Extended 2023 Seoul**, From Language Model to Large Language Model, July 2023
- **TensorFlow Korea LLM Day**, Language Model to Large Language Model, July 2023
- **Jeju National University**, Real-World Artificial Intelligence and Large Language Model for Everyone, July 2023
- **AI EDucation Alliance Policy lab (AIEDAP)**, Deep Learning Understanding and Practice, June 2023
- **KIDA (Korea Institute for Defense Analysis)**, Data-Centric AI in the Large Language Model Era, May 2023
- **Upstage**, NLP based Large Language Model for All, April 2023
- **AI·DATA SUMMIT 2023**, Real-World Centric AI, February 2023
- **Sunmoon University**, Real-World Centric AI, December 2022
- **Kyungsung University**, Language and Information Studies and the Future of Artificial Intelligence, August 2022
- **Hankuk University of Foreign Studies**, Basic practice of natural language processing for everyone, July 2022
- **Dongguk University**, Artificial intelligence and Machine Translation, January 2022
- **Busan Social Welfare Development Group**, Attending advisory meetings and Focus Group Interview, July 2021
- **LLsoLLu**, Latest natural language processing Research, March 2020
- **NC SOFT**, Technology Transfer Seminar, February 2020
- **Dongguk University**, A.I - NLP - MT for Liberal Arts, January 2020
- **SKC**, Text Preprocessing, Machine Translation, Language Embedding, October-November 2019
- **SK T Academy**, Machine Translation for everyone, August 2019
- **NAVER**, Machine Translation for everyone, August 2019