

Chanjun Park

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Research Interests

Chanjun Park is a researcher in the field of Natural Language Processing (NLP), with a focus on Data-Centric AI, Machine Translation and Large Language Model (LLM). He is currently working as an Technical Leader (TL) at Upstage LLM Team. He is currently interested in forming an LLM-based ecosystem and has created initiatives such as the SOLAR, Open Ko-LLM Leaderboard and the Up 1 Trillion Token Club. In 2023, he received Ph.D. from Korea University under the supervision of Professor Heuseok Lim for the work on “Data-Centric Neural Machine Translation”. From 2018 to 2019, he worked at SYSTRAN as a Research Engineer. Chanjun is the founder and leader of the KU-NMT Group, and has received the Naver Ph.D. Fellowship in 2021. He served as the Virtual Social Chair at COLING 2022, and is currently serving as the Program Chair for the WinNLP Workshop and Publication Chair for the DMLR Workshop. He has published more than 160 papers in the field of NLP.

- Data-centric AI
- Machine Translation
- Large Language Model (LLM)

Education

Korea University

Seoul, South Korea

PH.D IN COMPUTER SCIENCE AND ENGINEERING, GPA: 4.44 / 4.5

Sep. 2019 - Aug. 2023

- Advisor: Heuseok Lim
- Natural Language Processing & Artificial Intelligence Lab: <http://nlp.korea.ac.kr/>
- Founder and Leader of KU-NMT Group: <https://kunmt.org/>

Busan University of Foreign Studies (BUFS)

Busan, South Korea

B.S. IN NATURAL LANGUAGE PROCESSING & CREATIVE CONVERGENCE, GPA: 4.2 / 4.5

Mar. 2015 - Aug. 2018

- Advisor: Pummo Ryu
- Full Scholarship

Professional Experience

Upstage

Seoul, South Korea

TECHNICAL LEADER

March. 2022 - Present

- About Upstage: <https://www.upstage.ai/>
- Technical Leader at Large Language Model (LLM) Team
- Head of LLM related Data and Evaluation (Leading Data-Centric LLM Team)
- Director and Founder of the Open Ko-LLM Leaderboard: <https://huggingface.co/spaces/upstage/open-ko-llm-leaderboard>
- Director and Founder of the Up 1 Trillion Token Club: <https://en.upstage.ai/1tt>
- Director and Founder of the Dataverse
- Extensive experience in leading multiple private LLM projects across various fields such as healthcare, e-commerce, mathematics, and journalism
- Establishment of evaluation system to develop LLM Application (AskUp Biz)
- Participate in the Product Search Pack, Document AI Pack, and RecSys Pack
- Design and Development of DMOps (Data Management Operation and Recipes). Data-Centric AI Research
- Semantic search project with AMOREPACIFIC & LG U+

SYSTRAN

Seoul, South Korea

RESEARCH ENGINEER

Sep. 2018 - July. 2019

- About SYSTRAN: <https://www.systransoft.com/>
- Automatic Speech Recognition(ASR) Team
- Core technology development of the real-time simultaneous speech translation based on knowledge enhancement (ETRI)
- Participated in NTT Docomo speech Recognition Solution Project
- Participated in CJ Logistics speech recognition agent development project
- Participated in Samsung SDS speech recognition project
- Speech recognition service planning and development (Real-time lecture interpretation, Automatic subtitle generation service, English speaking evaluation, Customer-specific recognizer service, Web RTC-based Real-time video interpretation)
- Deep learning based speech recognition research (Acoustic Model, Language Model Training)
- Machine Translation research
- IaaS and PaaS service planning, API Platform service operation planning, B2B B2C planning and development
- Micro Service Architecture Design and Successful API Platform Service Launching Experience (LCloud)
- Reason for leaving: Graduate School Admission

- Automatic Speech Recognition(ASR) Team
- Participated a project "Core technology development of the real-time simultaneous speech translation based on knowledge enhancement (ETRI)"
- Developed Simultaneous Speech Translation (implemented using JAVA, Python and Kaldi)

Academic Services

Data-centric Machine Learning Research (DMLR)

PUBLICATION CHAIR

Anywhere on Earth

September.2023-Present

- DMLR: <https://dmlr.ai/>
- Hosted at ICLR 2024

Widening NLP (WiNLP) Workshop

PROGRAM CHAIR

Anywhere on Earth

March.2023-Present

- WiNLP: <https://www.winlp.org/>
- Hosted at EMNLP 2023

COLING 2022

VIRTUAL SOCIAL CHAIR

South Korea

Sep.2021-Present

- COLING 2022: <http://coling2022.org/>
- Virtual Social Chair

Program committee

PROGRAM COMMITTEE

South Korea

January.2021-Present

- ICML 2023-Data-centric Machine Learning Research (DMLR), ACL 2023-Industry Track, ACL 2023-BEA, EACL 2023, EACL 2023-Insights, ACL 2022-Insights, NAACL 2022-Industry Track, Reviewer of ARR (2022-Current)

Reviewer

REVIEWER

South Korea

January.2021-Present

- ICLR 2024 Workshop Proposal Reviewing, ETRI Journal, IEEE Access, International Journal of Human-Computer Interaction, Cybernetics and Systems, Applied Sciences, Electronics, Entropy, Connection Science

External Activities

AI Privacy Policy Council (AI 프라이버시 민·관 정책협의회)

COMMITTEE MEMBER

South Korea

October.2023-Present

- News: <https://www.youtube.com/watch?v=Z1GEsgLKzc4>

Ministry of Food and Drug Safety

ADVISOR

South Korea

December.2023-Present

- Homepage: <https://www.mfds.go.kr/index.do>

Yonsei University-Institute of Language and Information Studies

ADVISOR

South Korea

December.2023

- Homepage: <https://ilis2.yonsei.ac.kr/ilis/index.do>
- Invited by Professor Hansaem Kim

Software Policy & Research Institute

ADVISOR

South Korea

August.2023

- Homepage: <https://spri.kr/>

Selected Publications

DMOps: Data Management Operation and Recipes

Eujeong Choi, **Chanjun Park**, (Corresponding Author)

ICML 2023 - Data-centric Machine Learning Research (DMLR) Workshop (2023), 2023

Proceedings of the Seventh Widening NLP Workshop (WiNLP 2023)

Bonaventure FP Dossou, Isidora Tourni, Hatem Haddad, Shaily Bhatt, Fatemehsadat Mireshghallah, Sunipa Dev, Tanvi Anand, Weijia Xu, Atnafu Lambebo Tonja, Alfredo Gomez, **Chanjun Park**

Proceedings of the Seventh Widening NLP Workshop (WiNLP 2023), 2023

Informative Evidence-guided Prompt-based Fine-tuning for English-Korean Critical Error Detection

Dahyun Jung, Sugyeong Eo, **Chanjun Park**, Hyeonseok Moon, Jaehyung Seo, Heuseok Lim

IJCNLP-AAACL 2023, 2023

SOLAR 10.7B: Scaling Large Language Models with Simple yet Effective Depth Up-Scaling

Dahyun Kim, **Chanjun Park**, Sanghoon Kim, Wonsung Lee, Wonho Song, Yunsu Kim, Hyeonwoo Kim, Yungi Kim, Hyeonju Lee, Jihoo Kim, Changbae Ahn, Seonghoon Yang, Suhyun Lee, Hyunbyung Park, Gyoungjin Gim, Mikyoung Cha, Hwalsuk Lee, Sunghun Kim, **(Equal Contribution (First Co-Author), Corresponding Author)**

2023

KEBAP: Korean Error Explainable Benchmark Dataset for ASR and Post-processing

Seonmin Koo, **Chanjun Park**, Jinsung Kim, Jaehyung Seo, Sugyeong Eo, Hyeonseok Moon, Heui-Seok Lim, **(Equal Contribution (First Co-Author))**

EMNLP 2023, 2023

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 Yahya, Heui-Seok Lim

ACL 2023, System Demonstrations, 2023

Improving Formality-Sensitive Machine Translation using Data-Centric Approaches and Prompt Engineering

Seugnjun Lee, Hyeonseok Moon, **Chanjun Park**, Heui-Seok Lim

ACL 2023 - IWSLT 2023, Proceedings of the 20th International Conference on Spoken Language Translation, 2023

Alternative Speech: Complementary Method to Counter-Narrative for Better Discourse

Seungyoon Lee, Dahyun Jung, **Chanjun Park**, Seolhwa Lee, Heuiseokv Lim

ICDM 2023 - The First Workshop on Data-Centric AI (DCAI) (2023). 2023

Doubts on the reliability of parallel corpus filtering

Hyeonseok Moon, **Chanjun Park**, Seonmin Koo, Jungseob Lee, Seugnjun Lee, Jaehyung Seo, Sugyeong Eo, Yoonna Jang, Hyunjoong Kim, Hyoung-gyu Lee

Expert Systems with Applications (2023) p. 120962. Elsevier, 2023

CHEF in the Language Kitchen: A Generative Data Augmentation Leveraging Korean Morpheme Ingredients

Jaehyung Seo, Hyeonseok Moon, Jaewook Lee, Sugyeong Eo, **Chanjun Park**, Heui-Seok Lim

EMNLP 2023, 2023

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 (Proceedings of the Language Resources and Evaluation Conference), 2022, Marseille, France

PicTalky: Augmentative and Alternative Communication for Language Developmental Disabilities

Chanjun Park, Yoonna Jang, Seolhwa Lee, Jaehyung Seo, Kisu Yang, Heuiseok Lim

AACL-IJCNLP 2022: System Demonstrations, 2022, Taipei, Taiwan

Priming Ancient Korean Neural Machine Translation

Chanjun Park, Seolhwa Lee, Jaehyung Seo, Hyeonseok Moon, Sugyeong Eo, Heuiseok Lim

LREC 2022 (Proceedings of the Language Resources and Evaluation Conference), 2022, Marseille, France

QUAK: A Synthetic Quality Estimation Dataset for Korean-English Neural Machine Translation

Sugyeong Eo, **Chanjun Park**, Hyeonseok Moon, Jaehyung Seo, Gyeongmin Kim, Jungseob Lee, Heui-Seok Lim

COLING 2022 - Proceedings of the 29th International Conference on Computational Linguistics, 2022

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 - EMNLP 2022 - Proceedings of the Seventh Conference on Machine Translation, 2022, Abu Dhabi

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, Heui-Seok Lim

COLING 2022 - Proceedings of the 1st Workshop on Customized Chat Grounding Persona and Knowledge, 2022

A Self-Supervised Automatic Post-Editing Data Generation Tool

Hyeonseok Moon, **Chanjun Park**, Sugyeong Eo, Jaehyung Seo, Seugnjun Lee, Heuiseok Lim

ICML 2022 - DataPerf workshop, 2022 (2022). 2022

Empirical Analysis of Noising Scheme based Synthetic Data Generation for Automatic Post-editing

Hyeonseok Moon, **Chanjun Park**, Seolhwa Lee, Jaehyung Seo, Jungseob Lee, Sugyeong Eo, Heuiseok Lim

LREC 2022 (Proceedings of the Language Resources and Evaluation Conference), 2022, Marseille, France

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

Findings of the Association for Computational Linguistics: NAACL 2022, 2022, Seattle, United States

PU-GEN: Enhancing generative commonsense reasoning for language models with human-centered knowledge

Jaehyung Seo, Dongsuk Oh, Sugyeong Eo, **Chanjun Park**, Kisu Yang, Hyeonseok Moon, Kinam Park, Heuiseok Lim

Knowledge-Based Systems (2022) p. 109861. Elsevier, 2022

Should we find another model?: Improving Neural Machine Translation Performance with ONE-Piece Tokenization Method without Model Modification

Chanjun Park, Sugyeong Eo, Hyeonseok Moon, Heui-Seok Lim

NAACL 2021: Industry Papers, 2021

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

AAAI 2022 - Artificial Intelligence for Education(AI4EDU) (2021). 2021

How should human translation coexist with NMT? Efficient tool for building high quality parallel corpus

Chanjun Park, Seolhwa Lee, Hyeonseok Moon, Sugyeong Eo, Jaehyung Seo, Heuseok Lim

NeurIPS 2021 - Data-centric AI (DCAI) workshop (2021), 2021

Two Heads are Better than One? Verification of Ensemble Effect in Neural Machine Translation

Chanjun Park, Sungjin Park, Seolhwa Lee, Taesun Whang, Heuseok Lim

EMNLP 2021 - Proceedings of the Second Workshop on Insights from Negative Results in NLP, 2021, Online and Punta Cana, Dominican Republic

BTS: Back TranScripton for Speech-to-Text Post-Processor using Text-to-Speech-to-Text

Chanjun Park, Jaehyung Seo, Seolhwa Lee, Chanhee Lee, Hyeonseok Moon, Sugyeong Eo, Heuseok Lim

ACL 2021 - Proceedings of the 8th Workshop on Asian Translation (WAT2021), 2021, Online

Dealing with the Paradox of Quality Estimation

Sugyeong Eo, **Chanjun Park**, Hyeonseok Moon, Jaehyung Seo, Heuseok Lim, **(Equal Contribution (First Co-Author))**

MT Summit - Proceedings of the 4th Workshop on Technologies for MT of Low Resource Languages (LoResMT2021), 2021, Virtual

Selected Research Experience

SOLAR

Seoul, South Korea

RESEARCHER IN UPSTAGE

June. 2023. - Present

- We introduce the first 10.7 billion (B) parameter model, SOLAR-10.7B (Specialized and Optimized Llm and Applications with Reliability). It's compact, yet remarkably powerful, and demonstrates unparalleled state-of-the-art performance in models with parameters under 30B.
- Achieving Global No. 1 on the Open LLM Leaderboard
- URL: <https://huggingface.co/upstage/SOLAR-10.7B-v1.0>
- Paper: <https://arxiv.org/abs/2312.15166>
- Press: <https://www.yna.co.kr/view/AKR20231214066100017?input=1195m>

(Project) Open Ko-LLM LeaderBoard

Seoul, South Korea

RESEARCHER IN UPSTAGE

August. 2023. - Present

- The Open Ko-LLM Leaderboard objectively evaluates the performance of Korean Large Language Model (LLM)
- URL: <https://huggingface.co/spaces/upstage/open-ko-llm-leaderboard>
- Press: <https://www.aitimes.kr/news/articleView.html?idxno=28851>
- Director and Founder of the Open Ko-LLM Leaderboard
- Skills: LLM, NLP, Data

(Project) Up 1T Token Club

Seoul, South Korea

RESEARCHER IN UPSTAGE

August. 2023. - Present

- Role of overall responsibility for the 'Up 1T Token Club'. Through this, I aimed to share models developed using Korean data, thereby expanding accessibility to AI technology. In other words, I aspire to spearhead a national initiative that moves beyond just sharing models to fostering a culture of sharing data.
- URL: <https://en.upstage.ai/1tt>
- Press: <https://www.seoul.co.kr/news/newsView.php?id=20230814500068>
- Director and Founder of the Up 1 Trillion Token Club
- Skills: LLM, NLP, Data

(Project) Dataverse

Seoul, South Korea

RESEARCHER IN UPSTAGE

August. 2023. - Present

- Open-Source Project for Data Extract, Transform, Load (ETL) Related to LLM
- Director and Founder of the Dataverse
- Skills: LLM, NLP, Data

(Project) Connect Wave Private LLM Project

Seoul, South Korea

RESEARCHER IN UPSTAGE

September. 2023. - Present

- Data and evaluation responsibility roles related to Private LLM
- Deployment of Enterprise-Exclusive LLM
- Press: https://newsis.com/view/?id=NISX20230911_0002445129&cID=10406&pID=13100
- Skills: LLM, NLP, Data

(Project) Math LLM Project

Seoul, South Korea

RESEARCHER IN UPSTAGE

September. 2023. - December. 2023.

- Technical PM roles
- Achieving State of the Art (SOTA) in GSM8K and Math Benchmark
- Collaboration Underway Among QANDA, KT, and Upstage
- Skills: LLM, NLP, Data

(Project) Press LLM Project

Seoul, South Korea

RESEARCHER IN UPSTAGE

September. 2023. - December. 2023.

- Data and evaluation responsibility roles related to Private LLM
- Deployment of Enterprise-Exclusive LLM for Press Field
- Skills: LLM, NLP, Data

(Project) Medical LLM Project

RESEARCHER IN UPSTAGE

- Data and evaluation responsibility roles related to Private LLM
- Exploration of Medical Use Cases using LLM
- Skills: LLM, NLP, Data

Seoul, South Korea

July. 2023. - December. 2023.

(Project) Hanwha Life Insurance LLM Application Project

RESEARCHER IN UPSTAGE

- Development of an Insurance-Specialized Conversational QA System based on LLM
- Responsible for designing LLM evaluation
- Skills: LLM, NLP, Data

Seoul, South Korea

July. 2023. - November. 2023.

LLM Engine

RESEARCHER IN UPSTAGE

- Role of Tech Leader in Data-Centric LLM Team
- Data and evaluation responsibility roles related to LLM
- Lead for the Comprehensive Development, Purification, and Distribution of LLM Data
- Development of SOLAR LLM: <https://huggingface.co/upstage/SOLAR-10.7B-v1.0>
- Up 1T Token Club Project Manager, Press : <https://www.hani.co.kr/arti/economy/it/1106968.html>
- Open Ko-LLM Leaderboard Project Manager, Press : <https://www.aitimes.kr/news/articleView.html?idxno=28851>
- Leading multiple sLLM-related projects and overall responsibility for data and evaluation
- Press: <https://www.etimes.co.kr/news/view/2277082>
- Skills: LLM, NLP, Data

Seoul, South Korea

July. 2023. - Present

Large Language Model (LLM) TF

RESEARCHER IN UPSTAGE

- Research for Large Language Model (LLM)
- Participate Hugging Face Open LLM Leaderboard
- As of July 20, 2023, achieved first place worldwide
- Press: <https://www.aitimes.com/news/articleView.html?idxno=152958>
- Skills: LLM, NLP, Data

Seoul, South Korea

June. 2023. - July. 2023.

LLM Application - AskUp Biz

RESEARCHER IN UPSTAGE

- Research for Large Language Model (LLM) based 3rd Party Platform (LLM Applications)
- Responsible for LLM evaluation
- AskUp Seargest, AskUp QA
- Skills: Data-Centric AI, LLM, NLP, Search

Seoul, South Korea

June. 2023. - Present

DMOps for Document AI

RESEARCHER IN UPSTAGE

- Data Management Operations (DMOps) research related to OCR
- Building training and evaluation data for OCR
- Presentation at AI · DATA SUMMIT 2023: https://conference.etnews.com/conf_info.html?uid=237
- Publication of 7 research paper in ICML-Data-centric Machine Learning Research (DMLR): <https://dmlr.ai/>
- Press: <https://www.aitimes.com/news/articleView.html?idxno=151905>
- Skills: Data Management, DataOps, OCR

Seoul, South Korea

October.2022. - June.2023

(Project) LGU + VOD Search Project

RESEARCHER IN UPSTAGE

- Gold Testset and evaluation system design for tag extraction model comparison
- Responsible for designing search system evaluation. Planning and designing blind tests for comparison with commercial systems
- Press: <http://www.asiaa.co.kr/news/articleView.html?idxno=90842>
- Skills: Customer Experience (CX), Quality Assurance (QA)

Seoul, South Korea

June. 2022. - October.2022

(Project) Amorepacific Search commercialization Project

RESEARCHER IN UPSTAGE

- Participated in Amorepacific's AP Mall search commercialization project
- Stability test planning and design
- Response time testing planning and design
- Establishment of systematic QA process based on bug testing
- Skills: Customer Experience (CX), Quality Assurance (QA)

Seoul, South Korea

March. 2022. - June.2022

Product Search Pack

Seoul, South Korea

RESEARCHER IN UPSTAGE

March. 2022. - October. 2022

- Develop Product Search Pack
- Establishment of evaluation system to develop Product Search Pack and responsible for data, planning, and evaluation
- Quality Assurance for Search System, Gold Testset Planning
- Press: <https://sedaily.com/NewsView/265XEW0U0Z>
- Skills: Data Manager, User Experience (UX), Customer Experience (CX), Quality Assurance (QA)

(Project) Polyglot: Large Language Models of Well-balanced Competence in Multi-languages

Seoul, South Korea

RESEARCHER IN ELEUTHER AI

September. 2022. - May. 2023

- Various multilingual models such as mBERT, BLOOM, and XGLM have been released. Therefore, someone might ask, "why do we need to make multilingual models again?" Before answering the question, we would like to ask, "Why do people around the world make monolingual models in their language even though there are already many multilingual models?" We would like to point out there is a dissatisfaction with the non-English language performance of the current multilingual models as one of the most significant reason. So we want to make multilingual models with higher non-English language performance. This is the reason we need to make multilingual models again and why we name them 'Polyglot'.
- Skills: Language Model, Data management

(Project) Korean-Prompt-based Engineering for Few-shot Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

March. 2022. - July. 2022.

- Plain Template Insertion: Korean-Prompt-based Engineering for Few-shot Learners
- Supported by Hyundai Motor
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9913979>
- Skills: Prompt learning, Few-shot learning, Pytorch, Huggingface

(Project) Return on Advertising Spend (ROAS) Prediction Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

December. 2021. - March. 2022.

- Return on Advertising Spend (ROAS) refers to the ratio of revenue generated by advertising projects to its expense.
- We present a method for predicting ROAS that does not require controlled experiments in data acquisition and validates its effectiveness through comparative experiments. Specifically, we propose a task deposition method that divides the end-to-end prediction task into the two-stage process; occurrence prediction and occurred ROAS regression.
- Supported by Data voucher
- Publication of research paper in Mathematics (SCIE): <https://www.mdpi.com/2227-7390/10/10/1637>
- Skills: ROAS, Regression, Pytorch

(Project) Hybrid Retriever System for Industrial Frequently Asked Questions Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

December. 2021. - March. 2022.

- We propose a method of returning responses to customer inquiries using only data that can be easily obtained from companies based on the deep learning information retrieval module. In this work, we hybridize dense embedding and sparse embedding to make it robust to professional terms and suggest new functions to scale the results returned by the two modules and adjust the weight ratio.
- Supported by Data voucher
- Publication of research paper in Mathematics (SCIE): <https://www.mdpi.com/2227-7390/10/8/1335>
- Skills: Information Retrieval, Pytorch

Fake News Detection Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

January. 2022. - Present

- Research for Utilization Strategy of User Engagements in Korean Fake News Detection
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9841541>
- Skills: Graph Neural Network, Pytorch, Fairseq

(Project) NAVER PAPAGO - Parallel Corpus Filtering and Mining

Seoul, South Korea

RESEARCHER IN KOREA UNIV

December. 2021. - June. 2022.

- Research for Static and Dynamic Parallel Corpus Filtering and Mining
- Human-inspired curriculum learning based NMT
- Publication of research paper in Expert Systems With Applications (SCIE): [bit.ly/3K8VCM2](https://doi.org/10.1016/j.eswa.2022.117882)
- Supported by NAVER PAPAGO
- Skills: Neural Machine Translation, Parallel corpus filtering, Pytorch, Fairseq

Data-centric AI Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV & UPSTAGE

July, 2021. - Present

- Research for Data-centric Neural Machine Translation, Automatic Post Editing, Quality Estimation, Generative Commonsense Reasoning, LLM
- Publication of 3 research paper in NeurIPS 2021 - Data-centric AI (DCAI) workshop: <https://eval.how/dcai2021/index.html>
- Publication of research paper in ICML 2022 - DataPerf workshop: <https://sites.google.com/view/dataperf2022>
- Publication of 7 research paper in ICML 2023 - Data-centric Machine Learning Research (DMLR): <https://dmlr.ai/>
- Improving Formality-Sensitive Machine Translation using Data-Centric Approaches and Prompt Engineering
- Publication of research paper in IWSLT 2023 : <https://sites.google.com/view/dataperf2022>
- Alternative Speech: Complementary Method to Counter-Narrative for Better Discourse
- Publication of research paper in ICDM 2023 - The First Workshop on Data-Centric AI : <https://data-centric-ai-dev.github.io/ICDM/>
- Skills: Neural Machine Translation, Web Application, Fairseq

Korean Commonsense Generation and Reasoning Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June, 2021. - Present

- KommonGen: A Dataset for Korean Generative Commonsense Reasoning Evaluation
- Automatic Knowledge Augmentation for Generative Commonsense Reasoning
- Publication of research paper in NAACL 2022: <https://aclanthology.org/2022.findings-naacl.172/>
- Publication of research paper in Knowledge-Based Systems: <https://www.sciencedirect.com/science/article/abs/pii/S0950705122009546>
- Skills: Commonsense Reasoning, Pytorch, Huggingface

Image Retrieval Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June, 2021. - September, 2021.

- Grounded Vocabulary for Image Retrieval Using a Modified Multi-Generator Generative Adversarial Network
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9585128>
- Skills: Image Retrieval, Pytorch, Huggingface

(Project) Development of patent document invention sentence extraction and key phrase extraction module

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June, 2021. - December, 2021.

- AI for Patent research
- T5 based Key sentence extraction and key phrase generation
- Supported by "LG Innotek"
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9779775>
- Skills: Automatic Summarization, Sentence classification, Information Extraction Pytorch, Huggingface

Dialogue Summarization Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June, 2021. - December, 2021

- Syntax-Aware Dialogue Summarization using Multi-task Learning
- Skills: Dialogue system, Automatic Summarization, Pytorch, Huggingface
- Publication of research paper in EMNLP 2021 -Widening NLP (WiNLP2021) workshop
- Publication of research paper in NeurIPS 2021 - Women in Machine Learning (WiML 2021) workshop
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/abstract/document/9664379/>

Dialogue System Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

April, 2021. - December, 2021

- Robust Reward Estimator for Multidomain Task-Oriented Dialogue
- Publication of research paper in Applied Science (SCIE): <https://www.mdpi.com/2076-3417/11/14/6624>
- BlenderBot 2.0 Errors Analysis in terms of Model, Data and User-Centric Approach
- Publication of research paper in Arxiv: <https://arxiv.org/abs/2201.03239>
- Focus on FoCUS: Is FoCUS focused on Context, Knowledge and Persona?
- Publication of research paper in COLING 2022 Workshop: <https://aclanthology.org/2022.ccgpk-1.1.pdf>
- Skills: Dialogue system, Pytorch, Huggingface, ParlAI

(Project) Subtitle production and editing technology development for colloquial broadcasting contents

Seoul, South Korea

RESEARCHER IN KOREA UNIV

April, 2021. - December, 2021.

- Development of Colloquial Aware Neural Machine Translation (CANMT) model that is robust to colloquial expression based on broadcast content
- Consortium: Korea Univ, Hanyang Univ, ON THE IT, SBS Contents Hub, CBS
- Supported by IITP
- Korean Colloquial-Sentence-Splitter(Ko-CSS) for simultaneous speech translation
- Neural Architecture Search(NAS) based NMT Research
- Speech recognition post-processor research
- Cross lingual adaptation research
- Skills: Neural Machine Translation, Automatic Speech Recognition, simultaneous speech translation, Pytorch, Huggingface, Fairseq
- Ko-CSS Demo: <http://nlplab.iptime.org:32285/>

Speech recognition post-processor Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

January. 2021. - Present

- Proposed BackTranScript(BTS). Back Transcription (BTS) has seen limited success without the role of phonetic transcription for building and creating vast datasets automatically.
- Publication of research paper in WAT 2021 (ACL Workshop): <https://aclanthology.org/2021.wat-1.10/>
- Publication of research paper in Mathematics: <https://www.mdpi.com/2227-7390/10/19/3618>
- Skills: Neural Machine Translation, Pytorch, Huggingface, Fairseq

Cross Lingual Pretrained Language Model Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

January. 2021. - December. 2023.

- Research for Exploring the Data Efficiency of Cross-Lingual Post-Training in Pretrained Language Models
- Research for combining BART and Parallel Corpus Filtering
- Publication of research paper in Applied Science (SCIE): <https://www.mdpi.com/2076-3417/11/5/1974>
- Skills: Neural Machine Translation, Pytorch, Huggingface, Fairseq

Automatic Post Editing Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

January. 2021. - Present

- APE research based on Cross Lingual Pretrained Language Model
- Adapter based APE research
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9528385/>
- Research for Efficient and Simple Data Generation Method - Low Resource APE and Pseudo APE data generation
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9714400>
- Research for Synthetic Data Generation Using Noising Strategies for Automatic Post-editing
- Publication of research paper in LREC 2022: <http://www.lrec-conf.org/proceedings/lrec2022/pdf/2022.lrec-1.93.pdf>
- Skills: Neural Machine Translation, Pytorch, Automatic Post Editing, Huggingface, Fairseq

Quality Estimation Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

January. 2021. - Present

- Large Scale PLM based Quality Estimation development and research
- Low Resource QE and Pseudo QE data generation
- Publication of research paper in Applied Science (SCIE): <https://www.mdpi.com/2076-3417/11/14/6584>
- Publication of research paper in MT Summit 2021 - LoResMT Workshop: <https://aclanthology.org/2021.mtsummit-loresmt.1/>
- Publication of research paper in IEEE Access: <https://ieeexplore.ieee.org/document/9761258>
- Publication of research paper in COLING 2022: <https://aclanthology.org/2022.coling-1.460.pdf>
- 1st place in WMT 2022 QE Task 3: KU X Upstage's submission for the WMT22 Quality Estimation: Critical Error Detection Shared Task
- Publication of research paper in WMT 2022: <https://www.statmt.org/wmt22/pdf/2022.wmt-1.56.pdf>
- Publication of research paper in IJCNLP-AACL 2023
- Publication of research paper in Mathematics: <https://www.mdpi.com/2227-7390/11/19/4169>
- Skills: Neural Machine Translation, Pytorch, Quality Estimation, OpenKiwi, Huggingface, Fairseq

COVID-19 Machine Translation Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

May. 2020. - November.2020

- Neural Machine translation specialized for COVID-19 domain
- Skills: Neural Machine Translation, Pytorch, Python
- Publication of research paper in Journal of the Korea Convergence Society(KCI): <https://bit.ly/2QgQKLK>

(Project) Domain Specialized Neural Machine Translation (Security)

Seoul, South Korea

RESEARCHER IN KOREA UNIV

May. 2020. - November.2020

- Research on Neural Machine Translation specialized for security domain
- Supported by "National Security Research Institute"
- Project Manager, Tech Lead
- Development of the latest translation model based on Transformer/BERT, AI-based Korean-English translation model suitable for the security field, and research trend of the latest AI-based translation technology research
- We propose Cross Communication Method (CCM), a new DS-NMT training methodology, inspired by cognitive scientific interpretation of cross language speech perception. This is the first study to reflect cognitive science theory in DS-NMT training methodology.
- Publication of research paper in IEEE Access: <https://ieeexplore.ieee.org/document/9751075>
- Skills: Neural Machine Translation, Pytorch, Python

(Project) A Neural-Symbolic Model for Knowledge Acquisition and Inference Techniques

Seoul, South Korea

RESEARCHER IN KOREA UNIV

April. 2020. - July. 2023

- Neural-Symbolic Model Research and Development
- Skills: Neural Symbolic Computing, Knowledge base, Pytorch, Python
- Supported by IITP
- Demo: <http://nlpplab.iptime.org:32245/>

Ancient Korean Neural Machine Translation Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

March. 2020. - December. 2022

- Ancient Korean Neural Machine Translation Research
- Bilingual Word Embedding for Ancient Korean Neural Machine Translation
- Priming Ancient Korean Neural Machine Translation Research
- Publication of research paper in IEEE Access(SCIE): <https://ieeexplore.ieee.org/document/9125904/>
- Publication of research paper in LREC 2022: <http://www.lrec-conf.org/proceedings/lrec2022/pdf/2022.lrec-1.3.pdf>
- Skills: Pytorch, Python, REST API,Flask,Neural Machine Translation

Deep Learning based Grammar Error Correction Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June. 2019. - June.2020

- Deep learning based English grammar corrector development
- Publication of research paper in IEEE Access(SCIE): <https://ieeexplore.ieee.org/document/9102992>
- Skills: Pytorch, Python, REST API,Flask,Neural Machine Translation

Deep Learning based Korean Spelling Correction Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June. 2019. - Present

- Development of Korean spelling corrector based on deep learning
- We propose a gold test set, K-NCT (Korean Neural grammar Correction Test set), for Korean grammar error correction and a new error type classification guideline.
- Publication of research paper in multimedia tools and applications (SCIE): <https://link.springer.com/article/10.1007/s11042-020-09148-2>
- Publication of research paper in IEEE Access (SCIE): <https://ieeexplore.ieee.org/document/9938990>
- Skills: Pytorch, Python, REST API,Flask,Neural Machine Translation

Neural Machine Translation Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June. 2019. - Present

- Deep learning based Korean-English and English-Korean, Korean-Japanese machine translator development
- Research for Parallel Corpus Filtering, Data Augmentation, Various decoding strategies
- Best practices for using NIA AI training data: <http://www.aihub.or.kr/node/4525>
- Publication of research paper in ELECTRONICS (SCIE): <https://www.mdpi.com/2079-9292/9/10/1562#cite>
- Our paper is accepted in NAACL 2021 Industrial Track: "Should we find another model?: Improving Neural Machine Translation Performance with ONE-Piece Tokenization Method without Model Modification"
- How to improve the performance of NMT without changing the model through data pre- and post-processing
- Publication of research paper in NAACL 2021: <https://www.aclweb.org/anthology/2021.naacl-industry.13/>
- Verification of Ensemble Effect in Neural Machine Translation
- Publication of research paper in EMNLP 2021 - Workshop on Insights from Negative Results in NLP: <https://insights-workshop.github.io/2021/cfp/>
- Publication of research paper in Applied Sciences (SCIE): <https://www.mdpi.com/2076-3417/12/11/5545>
- A Survey on Evaluation Metrics for Machine Translation
- Publication of research paper in Mathematics (SCIE): <https://www.mdpi.com/2227-7390/11/4/1006>
- Skills: Pytorch, Python, REST API,Flask,Neural Machine Translation

AI for Education Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

April. 2019. - Present

- FreeTalky: Don't Be Afraid! Conversations Made Easier by a Humanoid Robot using Persona-based Dialogue
- Publication of research paper in AAAI 2022 - Artificial Intelligence for Education (AI4EDU) workshop: <https://arxiv.org/abs/2112.04126>
- Publication of research paper in LREC 2022: <http://www.lrec-conf.org/proceedings/lrec2022/pdf/2022.lrec-1.132.pdf>
- Automatic Essay Scoring Research
- PEEP-Talk: Deep Learning-based English Education Platform for Personalized Foreign Language Learning
- Publication of research paper in ACL 2023 - Demo Track: <https://www.mdpi.com/2227-7390/10/9/1486>
- AI student: A Machine Reading Comprehension System for the Korean College Scholastic Ability Test
- Publication of research paper in Mathematics (SCIE): <https://www.mdpi.com/2227-7390/10/9/1486>
- BERTOEIC: Solving TOEIC Problems Using Simple and Efficient Data Augmentation Techniques with Pretrained Transformer Encoders
- Publication of research paper in Applied Sciences (SCIE) : <https://www.mdpi.com/2076-3417/12/13/6686>
- Skills: Pytorch, Python, Google Cloud Platform, REST API, Nao Toolkit

AI for Accessibility Research

Seoul, South Korea

RESEARCHER IN KOREA UNIV

June. 2019. - December. 2022

- PicTalky: Design of augmentative alternative communication (AAC) software for children with developmental disabilities
- 1st Place Microsoft AI Accessibility Hackathon in Korea (Team Lead)
- Award: <https://bit.ly/2vPaZ91>
- PickTalky Demo: <https://pictalky-311.de.r.appspot.com/>
- Publication of research paper in AACL 2022 Demo Track: <https://preview.aclanthology.org/aac1-22-ingestion/2022.aac1-demo.3/>
- Skills: Pytorch, Python, Google Cloud Platform, REST API, Nao Toolkit

(Project) Research and development of human-inspired multiple intelligence

RESEARCHER IN KOREA UNIV

- Human-inspired language understanding model
- Funded by the Korea Ministry of Science and ICT (MSIT)
- Site: <http://hiaai.co.kr/>

Seoul, South Korea

September. 2019. - August. 2022

(Project) Next-generation information computing technology development business

RESEARCHER IN KOREA UNIV

- Development of Core Application Techniques for Korean Intelligent Systems
- Research and development of Korean natural language processing core technology

Seoul, South Korea

September. 2019. - January. 2021.

(Project) Core technology development of the real-time simultaneous speech translation based on knowledge enhancement

RESEARCHER IN SYSTRAN

- Collaboration with the Korea Electronics and Telecommunications Research Institute (ETRI) Language Intelligence Research Group
- Director: Dr. Young-Gil Kim (ETRI)
- 3rd year: Real-time lecture interpretation solution development
- 4th year: Busan University of Foreign Studies Field Group Test (FGT) progress and software maintenance
- Skills: JAVA, JAVA FX, Kaldi

Seoul, South Korea

June. 2018. - July. 2019

(Project) Neural Machine Translation service for SK Telecom's in-house education program

RESEARCHER IN SYSTRAN

- Development of automation software to provide translation service to SK Telecom's in-house education program
- Skills: Python

Seoul, South Korea

April. 2019. - April. 2019

LCloud-API Platform Service Development

RESEARCHER IN SYSTRAN

- Planning and development of natural language processing API Platform Service
- Gravitree IO-based platform design, planning, marketing materials production, strategy establishment
- REST API management using Swagger
- Transcription API, Translation API, Address Correction API, Speaker Verification API
- Learned Microservices architecture(MSA), IT Infrastructure
- Skills: Gravitree IO, Microservices architecture(MSA), IT Infrastructure, Mockup, Marketing, Strategic Planning, Technology management, Amazon AWS

Seoul, South Korea

January. 2019. - June. 2019

Speech recognition transcription tool development

RESEARCHER IN SYSTRAN

- Development and maintenance of speech recognition transcription tool, modification and addition of various functions
- Skills: Front End, Spring Boot, Flask, AJAX, MySQL, Kaldi,

Seoul, South Korea

January. 2019. - July. 2019

(Project) CJ Logistics Speech Recognition Agent

RESEARCHER IN SYSTRAN

- CJ Logistics artificial intelligence (AI) virtual assistant project
- Skills: Quality Assurance, Quality control, Mockup, Strategic Planning, Kaldi

Seoul, South Korea

Aug. 2018. - July. 2019

Automatic subtitle generation platform service development and planning

RESEARCHER IN SYSTRAN

- Development and maintenance of automatic subtitle generation platform
- Establish platform service strategies such as B2B and B2C
- Various company contacts and SWOT analysis
- Skills: JAVA, JAVA FX, Kaldi, Mockup, Strategic Planning, Technology management, Marketing

Seoul, South Korea

June. 2018. - June. 2019

Planning of English speaking evaluation platform service

RESEARCHER IN SYSTRAN

- Establishing a service strategy using English speaking evaluation technology
- English speaking evaluation technology Q.A & Q.C
- Skills: Quality Assurance, Quality control, Mockup, Strategic Planning, Technology management, Marketing

Seoul, South Korea

June. 2018. - December. 2018

Speech Recognition Research

RESEARCHER IN SYSTRAN

- Research for Automatic Speech Recognition Technology based on Kaldi
- Acoustic Model, Language Model
- Speaker Verification
- English speaking evaluation
- Real-time speech recognition system
- Skills: Kaldi

Seoul, South Korea

Aug. 2018. - July. 2019

Neural Machine Translation Research

RESEARCHER IN SYSTRAN

- Research for Neural Machine Translation
- Skills: OpenNMT Tensorflow, OpenNMT Pytorch

Seoul, South Korea

Aug. 2018. - July. 2019

(Project) Development of multilingual word translation service based on Korean semantics analysis for multicultural family

RESEARCHER IN BUFS

- Han-Tong-E: Multilingual Word Translation Service based on Word Semantic Analysis
- Collaboration with Professor Ok Cheol-young's laboratory at Ulsan University
- Project homepage development
- In-depth understanding of Utagger and seminar on WSD
- Build project-related data and conduct surveys
- Project Page: <https://bufsconv.blogspot.kr/>
- Funded by National Research Foundation of Korea(NRF)

Seoul, South Korea

Sep. 2016. - June. 2018

(Project) Establishment of Gold Standard language resource bank for Korean machine learning and evaluation (Next-generation information computing technology development business)

RESEARCHER IN BUFS

- For the purpose of developing Korean Natural Language Toolkit
- Development of automatic Korean word spacing and Korean compound noun decomposer
- Skills: Python

Seoul, South Korea

Sep. 2017. - June. 2018

(Project) Local industry development project in connection with public institutions

RESEARCHER IN BUFS

- ICT VAEMS: Vertical Aquaculture Energy Management
- Funded by the Korea Institute for Advancement of Technology(KIAT)

Seoul, South Korea

Sep. 2016. - Aug. 2017

(Project) Basic Research on Semantic Frame Generation for Short Questions (ExoBrain)

RESEARCHER IN BUFS

- Exobrain Project

Seoul, South Korea

Oct. 2015. - Feb. 2016

Honors & Awards

2023.10	Best Paper Award (Language Model 2 Section), 2023 , The 35th Annual Conference on Human & Cognitive Language Technology (HCLT2023)	South Korea
2023.10	Best Paper Award (Data Bias & Ethics Section), 2023 , The 35th Annual Conference on Human & Cognitive Language Technology (HCLT2023)	South Korea
2023.02	Best Paper Award , Korea University	South Korea
2023.02	Research Encouragement Scholarship , Korea University	South Korea
2022.12	1st place in WMT 2022 QE Task 3, 2022 , WMT 2022 - EMNLP 2022	Abu Dhabi
2022.10	Best Paper Award, 2022 , The 34th Annual Conference on Human & Cognitive Language Technology (HCLT2022)	South Korea
2021.12	Naver Ph.D. Fellowship, 2021 , Naver	South Korea
2021.10	Best Paper Award (NLP Application 2 Section), 2021 , The 33rd Annual Conference on Human & Cognitive Language Technology (HCLT2021)	South Korea
2021.10	Best Paper Award (Language Resource Section), 2021 , The 33rd Annual Conference on Human & Cognitive Language Technology (HCLT2021)	South Korea
2021.10	Best Paper Award (QA and Speech Section), 2021 , The 33rd Annual Conference on Human & Cognitive Language Technology (HCLT2021)	South Korea
2021.07	Ranked 4th on the CommonGen 1.1 Leaderboard (Nov. 2022 Ranked 7th, CommonGen 1.1) , CommonGen 1.1	South Korea
2020.11	1st Place in Flitto Hackathon (Team Lead), 2020 , Flitto	South Korea
2020.10	Best Paper Award, 2020 , The 32nd Annual Conference on Human & Cognitive Language Technology (HCLT2020)	South Korea
2020.05	Best practices for using NIA AI training data(Korean-English Neural Machine Translation model) , AI Hub	South Korea
2019.10	Best Paper Award, 2019 , The 31st Annual Conference on Human & Cognitive Language Technology (HCLT2019)	South Korea
2019.10	1st Place Microsoft AI Accessibility Hackathon in Korea (Team Lead) , Microsoft	South Korea
2019.03	Graduate School Associate Scholarship , Sungkyunkwan University	South Korea
2018.10	Next Generation Information Processing NLP Competition 2018: Participation Award , Next-generation information computing technology development business	South Korea
2017.06	Bit Computer Excellence Award (President Award) , Bit Computer	South Korea
2015-2019	Full Scholarship , BUFS	South Korea
2016-2017	Scholarship for academic excellence , Sooyoungro Church	South Korea

Skills

Programming Skills	Python, JAVA, C / C++
Machine Learning & Deep Learning	Pytorch, Pytorch lightning, Keras, Tensorflow, Huggingface, OpenNMT, Fairseq, Kaldi, FAISS
Natural Language Processing	Large Language Model, Data-Centric AI, Machine Translation, Speech Recognition, Information Retrieval
Product & Project Manager	MS Office, Notion, Slack, Pitch, Linear, Whimsical, Recuritee
Software Skills	Linux, AWS, Docker, Latex
Language Skills	Korean, English, Japanese, Thai, Myanmar

Patents

2019.12	Device and method for correcting Korean spelling , Granted Patent (10-2430918)	South Korea
2020.09	METHOD OF BUILDING TRAINING DATA OF MACHINE TRANSLATION , Granted Patent (10-2409667)	South Korea
2022.04	Correction performance evaluation metrics of neural network machine translation and method of constructing the same , Granted Patent (10-2390154)	South Korea
2020.09	METHOD OF TRANSLATING ANCIENT KOREAN USING MACHINE TRANSLATION , Granted Patent (10-2425922)	South Korea
2020.09	APPARATUS AND METHOD FOR OUTPUTTING IMAGE CORRESPONDING TO LANGUAGE , Granted Patent (10-2476497)	South Korea
2021.05	Method For Generating Training Data And Method For Post-Processing Of Speech Recognition Using The Same , Granted Patent (10-2557810), PCT application	South Korea
2021.11	DEVICE AND METHOD FOR GENERATING OF TRAINING DATA FOR QUALITY ESTIMATION IN MACHINE TRANSLATION , Granted Patent (10-2593447)	South Korea
2021.09	APPARATUS FOR CORPUS PROCESSING, APPARATUS AND METHOD AND MACHINE TRANSLATION , Granted Patent (10-2574167)	South Korea
2021.03	Improving speech recognition performance using TTS in domain-specific environment , Apply for a patent	South Korea
2021.09	DEVICE AND METHOD FOR GENERATING TRAINING DATA FOR AUTOMATIC POST EDITING , Apply for a patent	South Korea
2021.09	DEVICE AND METHOD FOR GENERATING OPTIMAL TRANSLATION SUBTITLE USING QUALITY ESTIMATION , Apply for a patent	South Korea
2021.09	METHOD OF BUILDING TRAINING DATA OF MACHINE TRANSLATION , PCT International Application	South Korea

Teaching Experience

Fast Campus

INSTRUCTOR

- Language Model to Large Language Model (LM to LLM)
- Invited by Fast Campus
- URL: https://fastcampus.co.kr/b2g_kdigitaltraining_ai

South Korea
August, 2023-Present

Fast Campus

INSTRUCTOR

- Natural Language Processing (NLP) Basic
- Invited by Fast Campus
- URL: https://fastcampus.co.kr/b2g_kdigitaltraining_ai

South Korea
August, 2023-Present

Fast Campus

INSTRUCTOR

- Learning ChatGPT Utilization and Service Construction with AskUP
- Invited by Fast Campus
- URL: https://fastcampus.co.kr/data_online_askup

South Korea
August, 2023-Present

Upstage

INSTRUCTOR

- Course Name: Finance Specialized Large Language Model for Everyone
- Upstage Online Course

South Korea
July, 2023-Present

BoostCamp - NAVER Connect Foundation

MASTER (INSTRUCTOR)

- Course Name: Data-centric NLP
- HomePage: https://boostcamp.connect.or.kr/program_ai.html

South Korea
February, 2023-Present

Korea University

TEACHING ASSISTANT

- (BDC101) Introduction to Natural Language Processing in Big Data

South Korea
Autumn 2021

Korea University

HEAD TEACHING ASSISTANT

- (BDC101) Introduction to Natural Language Processing in Big Data
- (DFE610) Natural Language Processing for Digital Finance Engineering

South Korea
Autumn 2020

Korea University

TEACHING ASSISTANT

- (COSE461) Natural Language Processing
- (DFC615) Artificial Intelligence and Natural Language Processing
- Lecture materials: <https://github.com/Parkchanjun/KU-NLP-2020-1>

South Korea

Spring 2020

Invited Talk

Ministry of Science and ICT - Data Utilization Council

PRESENTER

- Upstage LLM One Pager
- Invited by Ministry of Science and ICT

South Korea

November. 2023

Korean-English Joint Seminar on Artificial Intelligence (AI) Safety and Reliability

PRESENTER

- Upstage Vision for Ethical and Trustworthy Large Language Models
- Invited by TTA
- URL: <https://www.tta.or.kr/tta/selectBbsNttView.do?key=74&bbsNo=105&nttNo=13121&fbclid=IwAR2XW8KEGB6sBCmKk20HvIuZ9SP9Qjyfq7dB1XhMy5k1PI31tH0a-6Kcno>

South Korea

November. 2023

Digital Innovation Forum (Ministry of Culture, Sports and Tourism)

PRESENTER

- Generative AI era: Copyright issues and countermeasures
- Invited by Ministry of Culture, Sports and Tourism
- URL: <https://www.culture.go.kr/digicon/sub02/sub04.php>

South Korea

November. 2023

Kyungpook National University

PRESENTER

- Upstage LLM One Pager
- Invited by Kyungpook National University

South Korea

November. 2023

Future Technology Exchange Conference in Southeast Region

PRESENTER

- Upstage LLM One Pager
- Invited by Pukyong National University

South Korea

November. 2023

Jeju National University

PRESENTER

- Upstage LLM One Pager
- Invited by Jeju National University

South Korea

November. 2023

Busan University of Foreign Studies

PRESENTER

- From Language Model to Large Language Model
- Invited by Busan University of Foreign Studies

South Korea

November. 2023

KB Kookmin Bank

PRESENTER

- Areas of Generative AI Application in Business
- Invited by KB Kookmin Bank

South Korea

November. 2023

Human-Inspired AI Research

PRESENTER

- Upstage and Private LLM
- Invited by Human-Inspired AI Research

South Korea

November. 2023

NIA

PRESENTER

- Upstage LLM and latest B2B LLM trends
- Invited by NIA (National Information Society Agency)

South Korea

October. 2023

Woongjin Thinkbig

PRESENTER

- Upstage and Private LLM
- Invited by Woongjin Thinkbig

South Korea

September. 2023

Kyobo Life Insurance

PRESENTER

- Upstage and Private LLM
- Invited by Kyobo Life Insurance

South Korea

September. 2023

HD Korea Shipbuilding & Offshore Engineering

PRESENTER

- Upstage and Private LLM
- Invited by HD Korea Shipbuilding & Offshore Engineering

South Korea

September. 2023

Korea University

INSTRUCTOR

- From Language Model to Large Language Model
- Invited by Professor Changhee joo, Heuiseok Lim

South Korea

September. 2023

HanYang University

INSTRUCTOR

- From Language Model to Large Language Model
- URL: <https://gsai.hanyang.ac.kr/front/community/notice/view?id=164286>
- Invited by Professor Taeuk Kim

South Korea

September. 2023

Korea Institute of Patent Information

PRESENTER

- Upstage LLM and latest B2B LLM trends
- Invited by Korea Institute of Patent Information

South Korea

September. 2023

AGI Town in Seoul

PRESENTER

- The use case of solving customer problems using LLM
- URL: <https://bitly.ws/UVNt>
- Invited by AGI Town in Seoul

South Korea

September. 2023

Fast Campus

PRESENTER

- Job Employment Special Lecture
- Invited by Fast Campus

South Korea

September. 2023

HD Korea Shipbuilding & Offshore Engineering

PRESENTER

- Upstage LLM and latest B2B LLM trends
- Invited by HD Korea Shipbuilding & Offshore Engineering

South Korea

August. 2023

Upstage Webinar

PRESENTER

- The Future of Finance/Insurance Transformed by Generative AI
- Invited by Upstage
- URL: bit.ly/3qomK2U

South Korea

August. 2023

Google I/O Extended 2023 Incheon

PRESENTER

- From Language Model to Large Language Model
- Invited by Google I/O Extended 2023 Incheon
- URL: <https://festa.io/events/3780>

South Korea

August. 2023

POSCO RIST

PRESENTER

- Data-Centric AI in Real-World
- Invited by POSCO RIST

South Korea

August. 2023

Google I/O Extended 2023 Seoul

PRESENTER

- From Language Model to Large Language Model
- Invited by Google I/O Extended 2023 Seoul
- URL: <https://festa.io/events/3683>

South Korea

July. 2023

TensorFlow Korea LLM Day

PRESENTER

- Language Model to Large Language Model
- Invited by TensorFlow Korea (TFKR)
- URL: <https://festa.io/events/3717>

South Korea

July. 2023

Jeju National University

INSTRUCTOR

- Real-World Artificial Intelligence and Large Language Model for Everyone
- Invited by Jeju National University

South Korea

July. 2023

AI Education Alliance Policy lab (AIEDAP)

INSTRUCTOR

- Deep Learning Understanding and Practice
- Invited by AIEDAP

South Korea

June. 2023

KIDA (Korea Institute for Defense Analysis)

PRESENTER

- Data-Centric AI in the Large Language Model Era
- Invited by KIDA (Korea Institute for Defense Analysis)

South Korea

May. 2023

Upstage

PRESENTER

- NLP based Large Language Model for All

South Korea

April. 2023

AI · DATA SUMMIT 2023

PRESENTER

- Real-World Centric AI
- Invited by AI · DATA SUMMIT 2023
- URL: <https://www.youtube.com/watch?v=20NXHKGV3uI&t=2s>

South Korea

February. 2023

Sunmoon University

PRESENTER

- Real-World Centric AI
- Invited by Sunmoon University

South Korea

December. 2022

Kyungsung University

PRESENTER

- Language and Information Studies and the Future of Artificial Intelligence
- Invited by Kyungsung University

South Korea

August. 2022

Hankuk University of Foreign Studies

PRESENTER

- Basic practice of natural language processing for everyone
- Invited by Hankuk University of Foreign Studies, Interpreting and Translation Research Institute (ITRI)

South Korea

July. 2022

Dongguk University

PRESENTER

- Artificial intelligence and Machine Translation lectures (3 times)
- Invited by Dongguk University, Department of English Language and Literature

South Korea

January. 2022

Busan Social Welfare Development Institute

INVITED ADVISOR

- Attending advisory meetings and Focus Group Interview
- ICT-Based Ecosystem Construction Plan to Secure Opportunities to Enjoy Together - A Study on Developmental Disabilities

South Korea

July. 2021

LLsoLLu

PRESENTER

- Latest natural language processing trends
- Language Representation, Neural Symbolic Computing
- Invited by LLsoLLu Global Strategy and Planning Team

South Korea

March. 2020

NC SOFT

PRESENTER

- Technology Transfer Seminar
- Korean Spelling Corrector Using Automatic Noise Generation Methodology
- Invited by NC SOFT Language AI Team

South Korea

February. 2020

Dongguk University

PRESENTER

- A.I - NLP - MT for Liberal Arts
- Introduction to Natural Language Processing, RBMT, SMT, NMT, OpenNMT
- Invited by Dongguk University, Department of English Language and Literature professor. Myung-Kwan Park
- Lecture materials: https://github.com/Parkchanjun/Dongguk_AI_NLP_MachineTranslation

South Korea

January. 2020

SKC

INSTRUCTOR

- Deep Learning and Natural Language Processing Course
- Introduction of Text Preprocessing and NLP for Linguistics
- Introduction of Word Embedding
- Introduction of Machine Translation
- Lecture materials(Text Preprocessing): https://github.com/Parkchanjun/SKC_Text_Preprocessing
- Lecture materials(Introduction of Machine Translation): https://github.com/Parkchanjun/SKC_MachineTranslation

South Korea

Oct. 2019 - Nov. 2019

SK T Academy

INSTRUCTOR

- Machine Translation for Everyone
- Invited by SK Planet
- Introduction to Natural Language Processing, RBMT, SMT, NMT, OpenNMT
- Lecture videos: <https://tacademy.skplanet.com/live/player/onlineLectureDetail.action?seq=165>

South Korea

Aug. 2019

Naver Tech Talk

PRESENTER

- Machine Translation for Everyone
- Invited by Sung Kim who are the Head of Naver Clova A.I
- Lecture videos: <https://tv.naver.com/v/9906991>

South Korea

Aug. 2019

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DOMESTIC CONFERENCE

Prompt Based Machine Translation

Chanjun Park

Korea Computer Congress 2023, 2023

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Damrin Kim, NamHyeok Kim, **Chanjun Park**, Harksoo Kim

Korea Computer Congress 2023, 2023

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Chanjun Park, Eujeong Choi, Dayone Suh Suh, Minjeong Kim, Suwon Shin, Juhwan Yoon, Seungwon Jeong, Jaekyoung Bae

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The 33rd Annual Conference on Human Cognitive Language Technology, 2021

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Sugyeong Eo, **Chanjun Park**, Jaehyung Seo, Heonseok Moon, HeuiSeok Lim

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Yoonna Jang, Jungwoo Lim, Yuna Hur, Kisu Yang, **Chanjun Park**, Jaehyung Seo, Seungjun Lee, HeuiSeok Lim

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Proposal of Automated Essay Scoring Method based on Deep-Learning

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PEEP-Talk: Deep Learning-based English Education Platform for Personalized Foreign Language Learning (Best Paper Award)

Seungjun Lee, Yoonna Jang, **Chanjun Park**, Minwoo Kim, Bernardo N Yahya, HeuiSeok Lim

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Deep Learning based Korean Dialect Machine Translation Research

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Verification of the Domain Specialized Automatic Post Editing Model

Heonseok Moon, **Chanjun Park**, Jaehyung Seo, Sugyeong Eo, HeuiSeok Lim

The 33rd Annual Conference on Human Cognitive Language Technology, 2021

KommonGen: A Dataset for Korean Generative Commonsense Reasoning Evaluation (Best Paper Award)

Jaehyung Seo, **Chanjun Park**, Heonseok Moon, Sugyeong Eo, Myunghoon Kang, Seounghoon Lee, HeuiSeok Lim

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Con-Talky: Information Extraction and Visualization Platform for Communication of Construction Industry

Midan Shim, **Chanjun Park**, Yuna Hur, HeuiSeok Lim

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Design Neural Machine Translation Model Combining External Symbolic Knowledge

Sugyeong Eo, **Chanjun Park**, HeuiSeok Lim

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Cross-Lingual Transfer of Pretrained Transformers to Resource-Scarce Languages (Best Paper Award)

Chanhee Lee, **Chanjun Park**, Gyeongmin Kim, Dongsuk Oh, HeuiSeok Lim

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MMA: Multi-modal Message Aggregation for Korean VQA

Sungjin Park, **Chanjun Park**, Jaehyung Seo, HeuiSeok Lim

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Korean Spell Correction based on Denoising Transformer

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The 31st Annual Conference on Human Cognitive Language Technology, 2019

Optimization of Data Augmentation Techniques in Neural Machine Translation

Chanjun Park, Kuekyeng Kim, HeuiSeok Lim

The 31st Annual Conference on Human Cognitive Language Technology, 2019

Comparative Study of Sentiment Analysis Model based on Korean Linguistic Characteristics

Gyeongmin Kim, **Chanjun Park**, HeuiSeok Lim

The 31st Annual Conference on Human Cognitive Language Technology, 2019

Cross-Validated Ensemble Methods in Natural Language Inference (Best Paper Award)

Kisu Yang, Taesun Whang, Dongsuk Oh, **Chanjun Park**, HeuiSeok Lim

The 31st Annual Conference on Human Cognitive Language Technology, 2019

Korean Spacing Module using Eojeol dictionary and Morpheme dictionary

Chanjun Park, Jin-hyuk Choi, Pummo Ryu

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Knowledge-enhancing Real-time Lecture interpreter service Development

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Korea Software Congress 2018, 2018

Voice recognition performance improvement using TTS system in address recognition system

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Korea Software Congress 2018, 2018

Improved speech recognition performance in business meeting environments using domain-specific method

Chanjun Park, Suntae Kim, Minho Kang, Byunggun Park, Myeongjin Hwang, Yeonsu Kim

Korea Software Congress 2018, 2018

Spam/Ham Classification using Ensemble Technique of Machine Learning Algorithms

Chanjun Park, Pummo Ryu

Korea Computer Congress 2018, 2018

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Chanjun Park, Pummo Ryu

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Extracurricular Activity

Operate Naver's natural language processing blog

South Korea

BLOGGER

2016.Dec-Present

- URL: <https://blog.naver.com/bcj1210>
- Linguistics for natural language processing
- Natural Language Processing (NLP)
- Machine Translation for Everyone
- Business, strategy, and planning for everyone
- Natural language processing with NLTK
- Software engineering
- Today's CCM

OpenNMT Forum Members

South Korea

MEMBERS

2019.July-2019.July

- Active as OpenNMT Forum Members
- Develop and share OpenNMT Pytorch, Tensorflow, Library Tutorial

ETRI's machine translation quality evaluator

South Korea

ESTIMATOR

2019.October-2019.December

- Quality evaluation of machine translation hosted by ETRI

Completion of basic curriculum for natural language processing and language intelligence

South Korea

STUDENT

2019.July-2019.July

- Korea University Human-Inspired AI & Computing Research Center

Completed the natural language processing tutorial (2016-2019)

South Korea

STUDENT

2016 - 2019

- Special Interest Group of Human and Cognitive Language Technology

Reporter, Korea Electronics and Telecommunications Research Institute (ETRI)

South Korea

REPORTER

2016.Feb-2018.Feb

- Served as 3rd and 4th reporters at the Korea Electronics and Telecommunications Research Institute

Flitto Supporters

South Korea

SUPPORTERS

2017.Dec-2017.Dec

- The first plito supporters

Journalist of the Ministry of Science and ICT

South Korea

REPORTER

2016.Feb-2017.Feb

- 8 articles published
- Visit Exobrain Quiz Show
- URL: <https://blog.naver.com/bcj1210/221147196551>

Planning a video lecture for Natural Language Processing Basic at BUFS

PLANNER

- URL: <https://bit.ly/2NmFJV1>

South Korea

2016.July-2016.July

BIT Computer Advanced Course Completion

STUDENT

- Bet Advanced Course Completion and Bet President Award
- Bit project level 2 license
- Development of intelligent English learning APP

South Korea

2016.January-2016.August

BIT Computer Short Course Completion

STUDENT

- Short-term course completion (C, JAVA, Data Structure)

South Korea

2015.June-2015.August