Su Young Bae

About Myself.

Name	Su Young Bae
Email	sybae01@skku.edu
Github	https://github.com/BaeSuyoung
Linkedin	https://www.linkedin.com/in/suyoung99/
Scholar	https://scholar.google.com/citations?user=SoyBsicAAAAJ&hl=ko
Homepage	https://baesuyoung.github.io/suyoungbae.github.io/
Interesting Topics	Robust & Trustworthy AI, Bias & Hallucination Mitigation, AI Ethics/Morality, Narrative Analysis
	Current : Factual Consistency in Code Summarization & Evaluation, Multi-Agent Code Documentation

Education

03/2024 – Present	Ph.D., Department of Artificial Intelligence Sungkyunkwan University, Suwon (GPA: - /4.5)
03/2022 – 02/2024	M.S., Department of Artificial Intelligence Sungkyunkwan University, Suwon (GPA: 4.13/4.5)
03/2018 – 02/2022	B.S., Department of Software Sungkyunkwan University, Suwon (GPA: 3.56 /4.5, Major: 3.65/4.5)

International Papers

04/2025	"DeCAP: Context-Adaptive Prompt Generation for Debiasing Zero-shot Question Answering in Large Language Models" **Suyoung Bae,** YunSeok Choi, Jee-Hyong Lee **:** Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics **(NAACL 2025)**
04/2025	"SALAD: Improving Robustness and Generalization through Contrastive Learning with Structure-Aware and LLM-Driven Augmented Data" **Suyoung Bae***, Hyojun Kim*, YunSeok Choi, Jee-Hyong Lee (* : equal contribution) : Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics **(NAACL 2025)**
01/2025	"CharMoral: A Character Morality Dataset for Morally Dynamic Character Analysis in Long-Form Narratives" **Suyoung Bae**, Gunhee Cho , Boyang Li, Yun-Gyung Cheong : Proceedings of the 31st International Conference on Computational Linguistics **(COLING 2025)**
02/2023	"Predicting the Morality of a Character Using Character-Centric Embeddings", **Su-Young Bae**, Eun-Chong Kim, Yun-Gyung Cheong : International Conference on Big Data and Smart Computing (**BIGCOMP 2023**)
09/2022	"The CreativeSumm 2022 Shared Task: A Two-Stage Summarization Model using Scene Attributes." Eun-Chong Kim, Tae-Woo Yoo, Gun-Hee Cho, **Su-Young Bae**, Yun-Gyung Cheong, : International Conference on Computational Linguistics (**COLING 2022**)

Domestic Papers

08/2025	"CPGRec: Collaborative and Personalized Graph Learning in Large Language Models for Sequential Recommendation" Hanbeul Kim, Cheolwon Na, **Suyoung Bae**, Yunseok Choi and Jee-Hyong Lee : Korean Artificial Intelligence Association Summer Conference (**CKAIA 2025**)
04/2025	"Meaning-Preserving Query Rewriting and Query Reranking for Retrieval Augmented Generation" Insung Hwang, **Suyoung Bae**, Jaehoon Lee and Jee-Hyong Lee : KIIS Spring Conference (**KIISE 2025**)
04/2024	"RICE: Retrieval-Augmented Generation with Iterative Correction and Enhancement" Doyeon Kim, **Suyoung Bae**, Jaehoon Lee and Jee-Hyong Le : KIIS Spring Conference (**KIISE 2024**)
06/2022	"Can Language Model Learn Ethics? Predicting Characters' Morality by Learning Character Embedding" **Su-Young Bae**, Eun-Chong Kim, Yun-Gyung Cheong : Korean Artificial Intelligence Association Fall Conference (**JKAIA 2023**)
07/2022	"Improving Document Retrieval Model Multi-Domain Dialogue Dataset" **Su-Young Bae**, Eun-Chong Kim, Yun-Gyung Cheong, : Korea Computer Congress (**KCC 2022**)

Projects

07/2025 – Present	AI Star Fellowship Support Program (**IITP**) : Development of Collaborative Intelligent Agent Technology for Human–AI Partnership, Participating Researcher
07/2024 – Present	Development of Open-Ended Alignment Fluxional AI for Ever-changing Environment and Value (**ITRC**) : Developing open-ended alignment AI, Participating Researcher
04/2024 – Present	Developing Multimodal Generative AI Talent for Industrial Convergence (**IITP with 42MARU**) : Development of Adaptive Text Generation Technology Reflecting the User's Multi-faceted Persona, Participating Researcher
2022|2023|2024|2025	Creative Autonomous Research Project (**S.E.L.P**) : Various Topics on Story character embedding, Story character ethics, Long-Text Summarization, Multimodal bias mitigation, Hallucination detection in LLMs
03/2022 – 12/2022	Collaborative story-making tool development project (**NCSoft**) : Character Analysis, story creation tool, and graph model development.
03/2021 – 07/2021	Undergraduate Research Project (**URP**) : GPT2 generated sentence qualification using the ROCStories dataset.
05/2019 – 12/2019	Co-operation Project (**Rambda 256**) : Develop Sungkyunkwan University blockchain coin mobile service (SKKOIN).
05/2018 – 12/2018	Co-operation Project (**SKT**) : Marketing, Data Collection, Preprocessing, Analyzing

Internship

06/2023 – 08/2023	Nanyang Technological University (**NTU**) Research Internship
03/2021 – 02/2022	Sungkyunkwan University (**SKKU**) Undergraduate Research Internship

Award & Scholars

05/2024 - Present	Scholarship for outstanding Ph.D. students
02/2023	Sungkyunkwan University Selection for Incentives for outstanding activities
10/2022 – 02/2024	Sungkyunkwan University BK21 Education Research Scholarship
2022|2023|2024	Sungkyunkwan University AI Selection of Excellent Team for Creative Autonomous Research (S.E.L.F.)

Assistant & Reviewer

2025	EMNLP, AAAI Reviewer
12/2024 – 02/2025	Teaching Assistant (TA) for the Undergraduate Research Project (URP)
2022 | 2023	Teaching Assistant (TA) for the Computer Programming for Engineers course
09/2021 – 12/2021	Teaching Assistant (TA) for the Problem -Solving Algorithm course

Language study abroad

01/2020 – 01/2020	Software Silicon Valley IT Visiting Program
02/2020 – 06/2021	Summer Exchange Student (Czech Technical University)

English skills

02/2023	OPic	IH (Intermediate High)
09/2021	GRE	Verbal/Quantitative/Writing: 144/168/3.0

Programming skills (1~5 score)

Languages	**Python (5)**, C / C++ (3), JAVA (3), HTML/CSS (4)
Software/Tools	**Pytorch, Tensor (AI Modeling and Training)**
	Linux (File Handling)
	NetworkX (Graph Construction)
	Tree Parser (Code Analysis)
	Github (SW Deployment)