

Heejeong Nam

hazel-heejeong-nam.github.io

RESEARCH INTERESTS

Representation learning, Generative Models, Causality

EDUCATION

Brown University	(expected) 2025 ~ 2027
<i>Master of Science in Computer Science</i> (Fulbright Graduate Student)	
Yonsei University	2019 ~ 2024
<i>Bachelor of Science in Electrical and Electronic Engineering. Minor in Astronomy</i>	
University of California, Los Angeles	2022 ~ 2022
<i>Exchange Program, Electrical and Computer Engineering</i>	

PUBLICATIONS

† denotes equal contribution.

- [1] Guijin Son, Jiwoo Hong, Honglu Fan, **Heejeong Nam**, Hyunwoo Ko, Seungwon Lim, Jinyeop Song, Jinha Choi, Gonçalo Paulo, Youngjae Yu, Stella Biderman (2025). ‘When AI Co-Scientists Fail: SPOT-a Benchmark for Automated Verification of Scientific Research’. *Preprint* [\[data\]](#) [\[paper\]](#)
- [2] **Heejeong Nam**†, Jinwoo Ahn†. Keummin Ka, Jiwan Chung, Youngjae Yu (2025). “VAGUE: Visual Contexts Clarify Ambiguous Expressions”. *in ICCV 2025* [\[code\]](#) [\[paper\]](#)
- [3] Kwonho Kim, **Heejeong Nam**, Inwoo Hwang, Sanghack Lee. “Towards Causal Representation Learning with Observable Sources as Auxiliaries”. *ICML 2025 Workshop on Scaling Up Intervention Models*
- [4] **Heejeong Nam**, Jihyun Kim, Jimin Yeom. (2024). “An Adversarial Approach to Irregular Time-Series Forecasting”, *in NeurIPS 2024 Workshop on AdvML-Frontiers* [\[code\]](#) [\[paper\]](#)
- [5] Joohyeong Lee, **Heejeong Nam**, Kwanhyeong Lee, Sangchul Hahn. (2024). “Compact and De-biased Negative Instance Embedding for Multi-Instance Learning on Whole-Slide Pathological Images”, *in International Conference on Acoustics, Speech and Signal Processing (ICASSP)* [\[code\]](#) [\[paper\]](#)
- [6] **Heejeong Nam**. (2023). “SCADI: Self-supervised Causal Disentanglement in Latent Variable Models”, *in NeurIPS 2023 Workshop on Causal Representation Learning* [\[code\]](#) [\[paper\]](#)
- [7] **Heejeong Nam**. (2023). “Enhanced Open Set Recognition via Disentangled Representation Learning”, *in 4th Korea Artificial Intelligence Conference pp. 208-210* [\[code\]](#) [\[paper\]](#)

EXPERIENCES

Boeing Seoul, South Korea Full-time employee, AI Researcher	Jan. 2024 ~ Aug. 2025
Causality Lab Seoul National University, South Korea Research Collaborator	Jun. 2024 ~ Jan. 2025
LinqAlpha Massachusetts, United States (remote) Internship, AI Researcher	Sep. 2023 ~ Dec. 2023

AITRICS Seoul, South Korea Internship, AI Researcher	Oct. 2022 ~ Feb. 2023
Vision Research Lab UC Santa Barbara, United States Internship, AI Researcher	Jun. 2022 ~ Sep. 2022

NON-PUBLICATION PROJECTS

Accessibility Project (Realtime STT+T2TT) Boeing	Mar. 2024 ~ Aug. 2025
<ul style="list-style-type: none"> Collaborated as one of three core developers—alongside the PI and the data scientist—serving as the primary AI engineer responsible for end-to-end model development. Highlighted at AIX 2025 [Articles] and AWG 2025, and the first Korean team featured in Boeing's public magazine. 	
Parts Sales Forecasting Boeing	Jan. 2024 ~ Aug. 2025
<ul style="list-style-type: none"> Served as one of two core AI researchers driving the project development. Led the development of two customized internal time-series forecasting models, driving an overall performance improvement of approximately 20%. 	
Graph based Knowledge Editing in LLMs LinqAlpha	Sep. 2023 ~ Dec. 2023
(<i>Advisor: Prof. Jy-Yong Sohn</i>)	
<ul style="list-style-type: none"> Devised a test-time framework for editing LLM behavior by enforcing locality through demonstrations composed solely of target-relevant examples. Diagnosed reasoning weaknesses in state-of-the-art LLMs and augmented demonstrations with knowledge graph-derived context, significantly improving coverage and inference accuracy. 	
Brain CT Segmentation for NPH Prediction Vision Research Lab @ UCSB	Jun. 2022 ~ Sep. 2022
(<i>Advisor: Prof. B.S. Manjunath</i>)	
<ul style="list-style-type: none"> Assisted a real-time prediction project for Normal Pressure Hydrocephalus (NPH) on BisQue platform. Initiated a 5-class segmentation and a stable post-processing based on intensity difference that were introduced through morphology. 	
UCLA Timetable Recommender System UCLA	Mar. 2022 ~ Jun. 2022
(<i>Advisor: Prof. Xiang "Anthony" Chen</i>)	
<ul style="list-style-type: none"> Designed and implemented a web application that scrapes UCLA's course catalog and leverages TF-IDF similarity between a user's previous courses and course descriptions to generate personalized class recommendations. 	

HONORS AND AWARDS

Fulbright Scholarship	2025
<i>Awarded a prestigious U.S. government-funded program promoting academic and cultural exchange.</i>	
NeurIPS Conference Grant	2023
<i>Awarded full housing and registration fee support.</i>	
Jilli Scholarship	2021
<i>Awarded Yonsei University merit-based scholarship for academic excellence.</i>	
Yonsei Internal Scholarship	2020
<i>Awarded for outstanding leadership at Yonsei University.</i>	

LANGUAGES

Fluent in **English**: TOEFL IBT 114/120 (Nov. 2024)

Native in **Korean**