


# Heejeong Nam

[hazel-heejeong-nam.github.io](https://hazel-heejeong-nam.github.io)

## RESEARCH INTERESTS

Representation learning, AI for Science, Causality, Multimodal Models

## EDUCATION

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

## PUBLICATIONS

<sup>†</sup> 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**<sup>†</sup>, Jinwoo Ahn<sup>†</sup>, 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

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

 **AI TRICS** | 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

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**Accessibility Project (Realtime STT+T2TT) | Boeing** Mar. 2024 ~ Aug. 2025

- 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

- 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

(Advisor: Prof. [Jy-Yong Sohn](#))

- 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

(Advisor: Prof. [B.S. Manjunath](#))

- 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

(Advisor: Prof. [Xiang “Anthony” Chen](#))

- 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

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**Fulbright Scholarship** 2025

*Awarded a prestigious U.S. government-funded program promoting academic and cultural exchange.*

**NeurIPS Conference Grant** 2023

*Awarded full housing and registration fee support.*

**Jilli Scholarship** 2021

*Awarded Yonsei University merit-based scholarship for academic excellence.*

**Yonsei Internal Scholarship** 2020

*Awarded for outstanding leadership at Yonsei University.*

## LANGUAGES

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

Native in **Korean**