Juhyeon Park

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EDUCATION

2023 - present	**Seoul National University**
	Ph.D Candidate in Interdisciplinary Program in Artificial Intelligence
2017 - 2023	**Seoul National University**
	B.S. in Electrical and Computer Engineering (Minor: Statistics) (GPA 3.94/4.3)
	Thesis: CIF: Cleansing data with influence score for fairness

RESEARCH INTEREST

- Brain + AI (Alzheimer's Disease Diagnosis, Brain Decoding, Multimodality)
  "Can AI help understand the brain? Can understanding of the brain advance AI?"

- AI Safety (Debiasing, Fairness, Privacy)

PUBLICATIONS

(*: Equal Contribution, J: Journal, C: Conference, W: Workshop, P: Preprint)

[**W1**] **Juhyeon Park***, Peter Yongho Kim*, Jungwoo Park*, Jubin Choi, Jungwoo Seo, Jiook Cha, and Taesup Moon (2025) "Processing fMRI Brain Signals Using Latents from Natural Image Autoencoders". In: *Foundation Models for the Brain and Body NeurIPS 2025 Workshop, Oral presentation.*

Contributions: Preprocessed fMRI data, co-developed a novel tokenization scheme and explored architectures to identify the best-performing design.

[**C1**] **Juhyeon Park***, Seokhyeon Jeong* and Taesup Moon (2025) "TLDR: Text Based Last-layer Retraining for Debiasing Image Classifiers". In: *In Proceedings of the Winter Conference on Applications of Computer Vision (WACV).*

Contributions: Developed the main algorithm, proved the key lemma, and led all experiments.

PREPRINTS

(*: Equal Contribution, J: Journal, C: Conference, W: Workshop, P: Preprint)

[**P1**] **Juhyeon Park***, Donggyu Lee* and Taesup Moon (2025) "Uncovering Group Robustness Issue in Early Diagnosis of MCI to AD Conversion and A Simple Solution: Decoupled Classifier with Adaptive Linear Modulation". In: *Under Review.*

Contributions: Preprocessed the data, co-developed the main algorithm, led prognosis-task experiments, and conducted interpretation-related analyses.

[**P2**] **Juhyeon Park***, Peter Yongho Kim*, Jiook Cha, Shinjae Yoo, and Taesup Moon (2025) "SEED: Towards More Accurate Semantic Evaluation for Visual Brain Decoding". In: *Under Review.*

Contributions: Developed Cap-Sim, designed a human evaluation framework for meta-evaluation, and identified failure modes of current visual decoding models.

[**P3**] Peter Yongho Kim*, **Juhyeon Park***, Jungwoo Park*, Jubin Choi, Jungwoo Seo, Jiook Cha, and Taesup Moon (2025) "Can Natural Image Autoencoders Compactly Tokenize fMRI Volumes for Long-Range Dynamics Modeling?" In: *Under Review.*

Contributions: Preprocessed fMRI data, co-developed a novel tokenization scheme, identified the best-performing architecture, and designed a new task to study the link between long-range fMRI dynamics and task performance.

PROJECTS

Multiscale Neuroscience Model for Affect Decoding, NRF of Korea   Aug 2023 - Present

Big Brain Project, NRF of Korea   Apr 2022 - Dec 2023

EXPERIENCE

Intern, Naver CLOVA - Image Vision Team   Jul 2022 - Dec 2022

Developed a lightweight algorithm for human matting and a platform for automated model evaluation and leaderboarding.

Research Intern, M.IN.D Lab   Jul 2021 - Feb 2023

Developed an algorithm to enhance classifier fairness by cleansing training data using influence scores.

HONORS & AWARDS

Hyundai Motor Chung Mong-Koo Foundation Scholarship   Sep 2023 - Present

Hyundai Motor Chung Mong-Koo Foundation

SNU Merit-based Scholarship   Spring 2023

Dept. of Electrical and Computer Engineering, Seoul National University

SNU Merit-based Scholarship   Spring 2021

Dept. of Electrical and Computer Engineering, Seoul National University

HYUNSONG Educational & Cultural Foundation Scholarship   Mar 2018 - Feb 2023

HYUNSONG Educational & Cultural Foundation

ACADMEIC SERVICES

Reviewer

AAAI 2026, CVPR 2026