

Sebin Lee

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EDUCATION

Seoul National University
M.S. in Artificial Intelligence

Seoul, Korea
Mar 2025 – Feb 2027 (expected)

Seoul National University
B.A. in Psychology (Minor: Economics)

Seoul, Korea
Mar 2017 – Aug 2024

RESEARCH INTERESTS

I am interested in artificial intelligence and the way to apply it to neuroscience domain. I want to study deep learning to understand the nature of the brain and the connectivity of neural networks. I also have an interest in utilizing neural signals in technology such as brain-computer interface.

EXPERIENCE

Teaching Assistant

Spring 2025

- Course: Neuroscience, SNU

Connectome Lab, IPAI SNU

Sep 2024 – Feb 2025

- Position: Research Assistant
- AI research for neuroscience, developing brain foundation model

Neural Computation Lab, BCS SNU

Jul 2024 - Aug 2024

- Position: Intern
- Poster presentation: Analysis of various spatially tuned neurons in the Retrosplenial Cortex
- In vitro surgery and patch clamp
- In silico spiking neural network modeling

PUBLICATIONS

- Han, D. D., Lee, A. L., Lee, T., Gwon, Y., Lee, S., Lee, S., ... & Chung, C. K. (2025). DIVER-o: A Fully Channel Equivariant EEG Foundation Model. *arXiv preprint arXiv:2507.14141*.

SKILLS

- Programming: Python, R, C++, JAVA
- Language: English, Korean, Japanese
- Strong interest in research and willingness to learn
- Good communication skills and teamwork

HONORS AND AWARDS

- Merit-based Scholarship (Fall 2017)
- Bang-Il-Young Foundation Scholarship
- full scholarship for 6 semesters