

Seojin Hwang

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Education

Gwangju Institute of Science and Technology (Mar.2021 - Present)

B.S. in Electrical Engineering and Computer Science (GPA 4.15/4.5)
Minor in AI Convergence

University of California, Berkeley

2025 Berkeley Global Access, Exchange Student (Jan.2025 – May.2025)

- Advanced Brain Imaging Methods (EE290), Introduction to Artificial Intelligence (CS188), Computational Modeling of Cognition (COGSCI131)

2022 Summer Session Program, Exchange Student (Jun.2022 – Aug.2022)

- Introduction to Probability and Statistics (STAT20), Game Theory in the Social Sciences (ECON110)

Research Experience

AI-MED Lab (GIST) (Jun.2023 - Dec.2023)

Undergraduate Intern | Advisor: Prof. Mansu Kim

- Participated in the [2023 G-SURF Program](#) (Jun.2023 – Aug.2023)
- Gained hands-on experience in medical image analysis.
- Participated in a research project identifying brain imaging biomarker for depression remission in early stage of Alzheimer's disease.

Brain x Machine Intelligence Lab (KAIST) (Jan.2024 - Feb.2024)

Undergraduate Intern | Advisor: Prof. Sangwan Lee

- Acquired foundational knowledge in reinforcement learning and its connection with brain cognition.
- Participated in a research project implementing the cognition process using successor representation.

Projects

[MLDL Project | SleepU](#) (Oct 2023 - Dec 2023)

- Developed an efficient sleep pattern analysis model by integrating Residual GRU with U-Net architecture.

[PBL1 Project | Mutee](#) (Mar 2023 - June 2023)

- Developed an automated age classification and profanity filtering service based on video transcripts
- Collaborated with CJ Olive Networks, earning selection as an IFA 2023 delegate.

GDSC x GIST Hackaton (Apr 2023)

- Developed a blog that provides tailored economic information for people with varying levels of economic background knowledge as a solution to reducing the wealth gap.

[PBL2 Project | V-Police](#) (Sep 2022 - Dec 2022)

- Implemented a face editing system leveraging DeepFaceLab to replace controversial celebrities' faces with virtual alternatives in video content.
- Collaborated with CJ Olive Networks, leading to selection as a CES 2023 delegate.

Extracurricular Activities

Computational Neuroscience Winter School (Feb.2024)

- Attended various seminars related to computational neuroscience and its interdisciplinary applications.
- Participated in a project focused on predicting spike activity of V1 neurons, gaining hands-on experience in neural data analysis.

Culture & Event Committee | Design Team Leader (Mar.2021 - Feb.2023)

- Served as a Design Team Member for two years, creating promotional materials for various campus events.
- Led the planning and execution of university-wide events, ensuring smooth coordination and engagement.
- Developed innovative event experiences using diverse platforms, including Metaverse, to help students maintain an energetic campus life during the COVID-19 pandemic.

Macmuganae | GIST Dance Club (Mar.2023 - Present)

- Performed and choreographed several pieces.
- Participated in GIST promotional events.

Freshmen Camp (Feb.2022)

- Volunteered to help freshmen adapt to campus life.
- Introduced the school system and various programs beneficial to new students.

Skills

Technical Skills | Python, C, C++

Languages | Native: Korean | Fluent: English (TOEFL 98 (MyBestScore) / 120 (Aug 2024))

Award Honors

- Government Funded Scholarships (GIST)
- National Science & Technology Scholarship
- Selected for scholarship and participation in CES 2023 (Las Vegas) by GIST AI Graduate School
- Selected for scholarship and participation in IFA 2023 (Berlin) by GIST AI Graduate School