

Inhyeok Baek

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Education

Seoul National University

Republic of Korea

Doctor of Medicine

B.S. in Mathematical Sciences

Cumulative GPA: 3.78/4.30

March 2020–Present

Expected graduation: February 2030

Research Experience

Innovative Radiology AI Laboratory

Seoul National University Hospital

July 2024–Present

- Developing a chest X-ray report generation model.
- Developing a chest CT report error detection model.

Functional Neuroanatomy of Metabolism Regulation Lab

Seoul National University College of Medicine

July 2021–August 2022

- Participated in the analysis of animal behavioral experiment data using DeepLabCut, a deep learning library for markerless pose estimation. Developed behavioral indices measuring goal-directed eating behaviors.

Research Grants

Han Man-Chung Research Grant

Development and Evaluation of Large Language Models for Chest CT Report Error Detection

May 2025–April 2026

KRW 2,000,000

Publications (Selected)

Full list: Google Scholar | ORCID

- CREPE: Rapid Chest X-ray Report Evaluation by Predicting Multi-category Error Counts. Cho, G., Jang, S., Ko, H., **Baek, I.**, and Park, C. M. *EMNLP 2025 Main Conference*, 2025 (to appear).

Awards and Scholarships

- *Silver award*, University Students Contest of Mathematics (2024)
- *Silver award*, University Students Contest of Mathematics (2023)
- *4th place*, SNU Bundang Hospital ICU Datathon (2023)
- Performance-based scholarship from SNU Project Group for Education and Research in Medical AI (2023)

Skills

Languages

Korean (native), English

Programming languages

Python

Tools

L^AT_EX