# Inhyeok Baek

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## Education

**Seoul National University**                                                           March 2020–Present
Republic of Korea                                                     Expected graduation: February 2030

Doctor of Medicine
B.S. in Mathematical Sciences
Cumulative GPA: 3.78/4.30

## Research Experience

**Innovative Radiology AI Laboratory**                                                    July 2024–Present
Seoul National University Hospital

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

**Functional Neuroanatomy of Metabolism Regulation Lab**                     July 2021–August 2022
Seoul National University College of Medicine

· 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**                                                  May 2025–April 2026
*Development and Evaluation of Large Language Models for Chest CT Report Error Detection*                 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)*, 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

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|---|---|
| Languages | Korean (native), English |
| Programming languages | Python |
| Tools | LaTeX |