

Curriculum Vitae

Jungwoo Oh

- github.com/Jwoo5
- scholar.google.com/citations?user=YlZmoPQAAAAJ&hl=ko
- linkedin.com/in/jungwoo-oh-35b32b237
- ojw0123@kaist.ac.kr

Research Interests

- Medical AI
- Electronic Health Record (EHR)
- Electrocardiogram (ECG)

Education

- Korea Advanced Institute of Science and Technology *March 2026 – Current*
 - Postdoctoral Researcher
 - Advisor: Edward Choi
- Korea Advanced Institute of Science and Technology *March 2021 – February 2026*
 - Integrated M.S./Ph.D. in Artificial Intelligence
 - Advisor: Edward Choi
- Korea University *March 2017 – February 2021*
 - B.S. in Computer Science and Engineering
 - GPA 4.00 / 4.5

Publications

- **ECG-Reasoning-Benchmark: A Benchmark for Evaluating Clinical Reasoning Capabilities in ECG Interpretation**
Jungwoo Oh, Hyunseung Chung, Min-Gyu Kim, Hangyul Yoon, Ki Seong Lee, Youngchae Lee, Muhan Yeo, Edward Choi
Proc. of Neural Information Processing Systems (NeurIPS) 2026 Evaluations and Datasets, 2026
- **MEDS — An Emerging Data Standard and Ecosystem for Health AI Research**
Matthew BA McDermott, Ethan Steinberg, Jason A Fries, Robin P van de Water, Chao Pang, Patrick Rockenschaub, Pawel Renc, **Jungwoo Oh**, Kamilė Stankevičiūtė, Justin Xu, Tom J Pollard, Nassim Oufattole, Michael Wornow, Teya S Bergamaschi, Hyewon Jeong, Simon A Lee, Vincent Jeanselme, Kiril V Klein, Mikkel Odgaard, Maria E Montgomery, Arkadiusz Sitek, Mads Nielsen, Jeffrey N Chiang, Noa Dagan, Isaac Kohane, Shalmali Joshi, Edward Choi, Nigam H Shah
NEJM AI, 2026

- **ECG-Agent: On-Device Tool-Calling Agent for ECG Multi-Turn Dialogue**
Hyunseung Chung, **Jungwoo Oh**, Daeun Kyung, Jiho Kim, Yeonsu Kwon, Min-Gyu Kim, Edward Choi
IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2026
- **LabTOP: A Unified Model for Lab Test Outcome Prediction on Electronic Health Records**
Sujeong Im*, **Jungwoo Oh***, Edward Choi
Proc. of Conference on Health, Inference, and Learning (CHIL), 2025
- **Learning Under Label Noise Through Few-shot Human-in-the-loop Refinement**
Aaqib Saeed, Dimitris Spathis, **Jungwoo Oh**, Edward Choi, Ali Etemad
Scientific Reports, 2025
- **Publicly Shareable Clinical Large Language Model Built on Synthetic Clinical Notes**
Sunjun Kweon*, Junu Kim*, Jiyoung Kim, Sujeong Im, Eunbyeol Cho, Seongsu Bae, **Jungwoo Oh**, Gyubok Lee, Jong Hak Moon, Seng Chan You, Seungjin Baek, Chang Hoon Han, Yoon Bin Jung, Yohan Jo, Edward Choi
Findings in Association for Computational Linguistics (ACL), 2024
- **GenHPF: General Healthcare Predictive Framework for Multi-task Multi-source Learning**
Kyunghoon Hur, **Jungwoo Oh**, Junu Kim, Min Jae Lee, Eunbyeol Cho, Jiyoung Kim, Seong-Eun Moon, Young-Hak Kim, Louis Atallah, Edward Choi
Journal of Biomedical and Health Informatics (JBHI), 2024
- **EHRXQA: A Multi-Modal Question Answering Dataset for Electronic Health Records with Chest X-ray Images**
Seongsu Bae*, Daeun Kyung*, Jaehee Ryu, Eunbyeol Cho, Gyubok Lee, Sunjun Kweon, **Jungwoo Oh**, Lei Ji, Eric I-Chao Chang, Tackeun Kim, Edward Choi
Proc. of Neural Information Processing Systems (NeurIPS) 2023 Datasets and Benchmarks, 2023
- **ECG-QA: A Comprehensive Question Answering Dataset Combined With Electrocardiogram**
Jungwoo Oh, Seongsu Bae, Gyubok Lee, Joon-myung Kwon, Edward Choi
Proc. of Neural Information Processing Systems (NeurIPS) 2023 Datasets and Benchmarks, 2023
- **Lead-agnostic Self-supervised Learning for Local and Global Representations of Electrocardiogram**
Jungwoo Oh, Hyunseung Chung, Joon-myung Kwon, Dong-gyun Hong, Edward Choi
Proc. of Conference on Health, Inference, and Learning (CHIL), 2022
- **Unifying Heterogenous Electronic Health Records Systems via Text-Based Code Embedding**
Kyunghoon Hur*, Jiyoung Lee*, **Jungwoo Oh**, Wesley Price, Young-Hak Kim, Edward Choi
Proc. of Conference on Health, Inference, and Learning (CHIL), 2022
- **Gradually Applying Weakly Supervised and Active Learning for Mass Detection in Breast Ultrasound images**
Jooyeol Yun, **Jungwoo Oh**, Ildong Yun
Applied Sciences, 2020