



Yu Akagi, MD Physician · Researcher · AI Engineer

Physician with over seven years of clinical experience, and an AI researcher working on generative models for healthcare. Four years building and training large-scale generative models on real-world EHR data, with award-winning research presented through the American Medical Informatics Association (AMIA). Currently leading development of an EHR simulation environment for training, testing, and evaluating AI agents that operate electronic health records autonomously. Deep working knowledge of EHR systems, and extensive collaboration with healthcare stakeholders in Japan and the United States.

✉ yu-akagi@g.ecc.u-tokyo.ac.jp [in linkedin.com/in/yu-akagi-md](https://www.linkedin.com/in/yu-akagi-md)
🏠 scholar.google.com/citations?user=PQhcQ-EAAAAJ github.com/yuakagi

Experience

Lawrence Livermore National Laboratory Internship · California, United States – Data Science Summer Institute (DSSI)	Jun 2026 – Sep 2026
National Institute of Informatics Healthcare AI Researcher · Japan	Dec 2025 – Present
The University of Tokyo Healthcare AI Researcher · Japan – Clinical workflow automation with agentic AI, focused on autonomous operation of the electronic health record. – Generative foundation models trained on large-scale real-world clinical data.	Apr 2023 – Mar 2027
Japanese Red Cross Medical Center Clinical Fellow, Infectious Diseases · Tokyo, Japan – Rotations: Kanto Rosai Hospital, Division of Infectious Diseases (Oct — Dec 2021); Shizuoka Cancer Center (Apr — Jun 2022). – Awarded Best Fellow among all trainees.	Apr 2020 – Mar 2023
Japanese Red Cross Medical Center Resident Physician · Tokyo, Japan	Apr 2018 – Mar 2020

Education

The University of Tokyo PhD in Medical Informatics · Japan	Apr 2023 – Mar 2027
Yokohama City University Medical Doctor (MD) · Japan – International clinical training at the University of Oxford (UK) and Université de Paris (France), 2017.	Apr 2012 – Mar 2018

Awards

KDDM Innovation Award — First Place · American Medical Informatics Association (AMIA) – AMIA Annual Symposium 2025	2025
8th Academic Paper Award · Japanese Association for Medical Informatics (JAMI) – Second place for the best paper of the year.	2025

Certifications

Board Certified in Internal Medicine · Japan	2023
ECFMG Certification · United States	2023
Japanese Medical License · Japan	2018

Research

TwinEHR — digital-twin EHR platform [↗] – In-silico simulation of patient trajectories, inside a standard EHR interface, driven by the Watcher model.	
Watcher — generative EHR model [↗] – Pretrained on over 200 million real clinical records. Simulates detailed patient timelines across admissions, diagnoses, medications, and laboratory tests.	