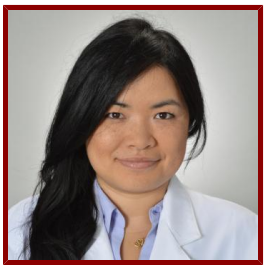
Stanford



Fran Riley

Clinical Assistant Professor, Emergency Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**

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Bio

BIO

Dr. Fran Riley is a physician engineer and Clinical Assistant Professor at Stanford University. She obtained her undergraduate degree from the University of Waterloo where she focused on robotics. Driven by her passion for merging medicine and technology, she pursued a Master's degree in Computer Science at The Johns Hopkins University, where she developed a motor controller for an early prototypes of the Da Vinci robot for ENT surgical applications. Dr. Riley thesis focused on utilizing real-time monitoring data to enhance the treatment of traumatic brain injuries in the pediatric intensive care unit.

Following her work in robotics and computer science, Dr. Riley transitioned to the healthcare industry, where she served as a product manager at Microsoft. In this role, she lead multidisciplinary teams to develop multiple features for an electronic medical record dedicated to data analytics. The product was then acquired by GE Healthcare.

Dr. Riley then pursued a medical degree at the University of Vermont, followed by a residency and chief residency at Maimonides Medical Center. She then completed a fellowship in emergency ultrasound at Columbia University Medical Center.

At Stanford, Dr. Riley is an integral part of the Stanford Emergency Medicine Partnership Program (STEPP), utilizing her technical expertise to identify industry partners for research collaborations and product development. She also actively contributes to a hospital-wide committee dedicated to evaluating the use of informatics for clinical care, prioritizing patient safety and high-quality care.

Dr. Riley's clinical research focuses on leveraging artificial intelligence in image recognition for regional wall motion abnormalities, specifically utilizing point-of-care ultrasound to diagnose acute coronary syndrome.

CLINICAL FOCUS

- Emergency Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Emergency Medicine

PROFESSIONAL EDUCATION

- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2022)
- Fellowship: New York Presbyterian Columbia Univ EUS Fellowship Program (2022) NY
- Residency: Maimonides Emergency Medicine Residency (2021) NY
- Medical Education: University of Vermont College of Medicine (2018) VT