Stanford

Cyril Zakka, MD

Postdoctoral Scholar, Cardiothoracic Surgery

Bio

BIO

Dr Cyril Zakka completed his medical training at the American University of Beirut Medical Center (AUBMC), where he founded and served as the Director of the Artificial Intelligence in Medicine (AIM) program. Over the past 4 years, he has been working at the intersection of AI, robotics, and medicine to develop algorithms to improve on patient care, both in the clinic and the operating room. Currently, he's a postdoctoral fellow at the Hiesinger Lab in the department of Cardiothoracic Surgery, working on surgical robots and cardiac imaging.

HONORS AND AWARDS

- Member, Gold Humanism Honor Society (GHHS) (2022-Present)

PROFESSIONAL EDUCATION

- Doctor of Medicine, American University Of Beirut (2022)

- Bachelor of Science, Boston College (2018)

- BS, Boston College , Biology (2018)

- MD, American University of Beirut Medical Center , Medicine (2022)

STANFORD ADVISORS

- William Hiesinger, Postdoctoral Faculty Sponsor

PATENTS

- Jad Farid Assaf, Shady Awwad, Cyril Zakka. "United States Patent 63/395,935 AUTOMATED DETECTION OF KERATOREFRACTIVE SURGERIES ON ANTERIOR SEGMENT OPTICAL COHERENCE TOMOGRAPHY (AS-OCT) SCANS AND METHODS OF USE", American University of Beirut, Aug 8, 2022

LINKS

- Blog: https://cyrilzakka.github.io

- Twitter: https://twitter.com/cyrilzakka?lang=en

- Github: https://github.com/cyrilzakka

Research & Scholarship

RESEARCH INTERESTS

- Data Sciences

- Technology and Education

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cyril Zakka's research is primarily focused on building unsupervised deep learning representation learners for use in a variety of medical tasks, such as medical imaging (e.g. cardiac MRIs and echocardiograms), and autonomous robotic surgical systems. He is particularly interested in developing algorithms that augment operating physicians' capabilities in order to improve on patient outcomes post-operatively.