DATE: October 28, 2021
TIME: 1:30-3:00pm
TITLE: Using Computer Vision to Augment Clinician Capabilities Across the Spectrum of Healthcare Delivery
SPEAKER: Serena Yeung
Assistant Professor of Biomedical Data Science and, by courtesy, of Computer Science and of Electrical Engineering, Stanford

Abstract:

Clinicians often work under highly demanding conditions to deliver complex care to patients. As our aging population grows and care becomes increasingly complex, physicians and nurses are now also experiencing feelings of burnout at unprecedented levels. In this talk, I will discuss possibilities for computer vision to augment clinician capabilities in various examples across the spectrum of healthcare delivery. I will present ongoing work in settings ranging from surgical procedures, to ambient ICU monitoring, and telemedicine at home.

Suggested Reading:

- Using Computer Vision to Automate Hand Detection and Tracking of Surgeon Movements in Videos of Open Surgery
- Holistic 3D Human and Scene Mesh Estimation from Single View Images

*Because the Biostats Workshop doubles as a class, the current university response to the pandemic requires us to restrict in-person attendance to Stanford students, faculty, & staff. We hope to be able to revise these restrictions soon & welcome back all our workshop community.