Faculty mentors: Nilam Ram

Research supervisor(s):
Xiao Yang, postdoc, xfy5031@stanford.edu

Project topic(s): Screenomics: How Moment-to-Moment Smartphone Use is Related to Health and Well-Being

Brief description of scientific issues:
In the Stanford Screenomics Lab (https://screenomics.stanford.edu/) we are using newly available data streams to understand what people actually do on their smartphones, and how the content of their screen experiences relate to health and well-being. In brief, we use a variety of computer vision and text analysis tools to extract information from long sequences of screenshots (image time series), develop new descriptors of smartphone behavior (e.g., fragmentation) and smartphone content (e.g., the social-gaming check-in), and examine how those behavior and content are related to users' emotions, sleep, and mental health.

Skills required:
Computer programming in Python and/or R

Skills to be learned:
Designing and conducting research

Hours: Full time