## FACULTY MENTOR
Eric Granholm

## PROJECT TITLE
Automated Therapy Fidelty

## PROJECT DESCRIPTION
Automated speech processing and natural language processing will be used to automate fidelity ratings (the quality of the therapist's delivery of the intervention) based on audio recordings (N > 600) of psychotherapy sessions.

## INTERNS NEEDED
2 any level

## PREREQUISITES
ASR or NLP knowledge

## FACULTY MENTOR
Eric Granholm

## PROJECT TITLE
Pupillometry using RGB Cameras

## PROJECT DESCRIPTION
Pupillometry can be used to quantify the amount of cognitive effort used to perform a task (greater pupil dilation indicates greater effort). Smartphone and webcams can be used to detect the pupil and quantify changes in diameter which can be used in a number of applications (e.g., early identification of risk for Alzheimer's disease; motivation and effort measurement in depression or schizophrenia).

## INTERNS NEEDED
2 any level

## PREREQUISITES
Computer vision/digital image capture knowledge