

FACULTY MENTOR

Sarah McEwen

PROJECT TITLE

Movement based cognitive training

PROJECT DESCRIPTION

Working with a proprietary, new real-time human pose estimation (AI) SDK you will work with a team to develop a closed loop system that both captures 3D human movement from 2D video (via any RGB web camera/phone) and engages users with a cognitive training game (presented on a computer/tablet) to promote healthy aging in older adults.

INTERNS NEEDED

3 (prefer master's students with dev/coding experience)

FACULTY MENTOR

Sarah McEwen

PROJECT TITLE

Simultaneous exercise and memory training for MCI patients

PROJECT DESCRIPTION

Developing an App for a 12-week home-based study of a simultaneous aerobic exercise (on stationary bike) and memory training program (delivered on a tablet) to help increase memory functioning in older adults with mild-cognitive impairment.

INTERNS NEEDED

3 (prefer master's students and/those with App coding experience)