

FACULTY MENTOR

Kaufman, Chris

PROJECT TITLE

A smartphone app to monitor sleep in older adults

PROJECT DESCRIPTION

I would like to develop a mobile app specifically tailored to older adults to help monitor sleep duration and quality. It would allow for the collection of data on important daytime and pre-bedtime behaviors (specific to older adults) and assess the impact that these behaviors might have on sleep during the night. I would also be interested in exploring whether data from consumer sleep trackers could be integrated into this app.

INTERNS NEEDED

Negotiable

PREREQUISITES

Experience in developing mobile applications for iOS or Android, basic data management, and use of APIs.

FACULTY MENTOR

Ettenhofer, Mark L

PROJECT TITLE

Eye Tracking and Virtual Reality for Assessment of Traumatic Brain Injury

PROJECT DESCRIPTION

Perform software development for eye tracking and virtual reality technology used to assess cognitive and functional capabilities of military service members with brain injuries.

INTERNS NEEDED

1 BS or MS student

PREREQUISITES

Experience with Unity, Python, and/or C# is preferred. Work will take place at Naval Medical Center San Diego.