

**FACULTY MENTOR**

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**PROJECT TITLE**

Examining cognition and mobility in aging with machine learning

**PROJECT DESCRIPTION**

This clinically focused project involves applying machine learning models to a variety of data sources collected including video, audio, and sensor signals data including heart rate, electrodermal activity, text, and fine motor movement and more. These data are collected as part of a longitudinal study of aging, and the project is sponsored by IBM. In past years, students have been able to present their work at an annual IBM Artificial Intelligence meeting.

**INTERNS NEEDED**

3-4 (MS); students have been able to work in teams

**PREREQUISITES**

Experience with python and machine learning necessary; experience with health related data is additionally useful

