

MASTER'S PROJECT/RESEARCH INTERNSHIP:

INTEGRATION OF ADDITIONAL FITNESS TRACKER APIs INTO A mHEALTH AND UHEALTH MEDICAL TRIAL PLATFORM

Background:

Wearable Technology, especially consumer wearables like smart-watches, play an increasing role in medical trials. They allow the longitudinal recording of various sensor data in free living conditions. This may help to gain a better understanding of diseases and treatment impact in the real world.



Details:

- You will integrate fitness tracker/wearable manufacturer's APIs (Fitbit, Garmin, Google Fit) into an existing framework for medical trials / studies
- Focus on software development
- Can be offered as internship / project (5 or 10 ECTS project)
- Larger development team agile methods will be used

Tasks:

- Implementation of the integration of different wearables for a mobile application
- Clear and structured code documentation
- Testing

Requirements:

- First frontend/backend development experience (JavaScript/Node.js)

Please send your CV, your transcript of records and 2-3 sentences about your motivation to:

Madeleine Flaucher

Machine Learning and Data Analytics Lab

madeleine.flaucher@fau.de

Michael Nissen

Machine Learning and Data Analytics Lab

michael.nissen@fau.de

