



FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG
TECHNISCHE FAKULTÄT



MACHINE LEARNING
& DATA ANALYTICS

PhD position (Open Topic) in Computer Science / Medical Engineering

The Machine Learning and Data Analytics Lab (MaD-Lab) at the Friedrich-Alexander-University Erlangen-Nürnberg (FAU) invites applications for a **PhD position** in Computer Science. The position is open-topic, research goals can be defined after an initial onboarding phase.

Background:

The world is getting more and more connected by advances of technology in various fields. The use of those advances drives innovations and is thus changing the way we drive, the way we work, the way we communicate with each other or to be more general – the way we live.

With the Innovation Lab for Wearable and Ubiquitous Computing, which is located at the MaD Lab, we are in the middle of this technological change. In this lab, we build innovative prototypes with students using agile development techniques in various fields. The ideas for the prototypes originate from either the students themselves, researchers or industry partners. By providing entrepreneurship workshops, the students also learn the basic tools necessary to found their own start up. The related course for the students can be visited by students with different technical background (computer science, medical engineering, mechatronics, mechanical engineering ...).

This position is affiliated with the co-supervision and organization of the Innovation lab for Wearable and Ubiquitous Computing. This includes teaching students technical background as well as agile project management, acquiring projects with industry partners and planning the curriculum of the course. Therefore, the successful candidate is expected to have good communication skills, to have a strong interest in teaching and be an avid team worker.

Work Environment

The MaD Lab is part of the FAU, which is one of the largest universities in Germany. With its five faculties, FAU offers a scope of subjects ranging from the Humanities to Law and Economics as well as Sciences, Medicine and Engineering. The FAU's mission statement "Advance through Networks" reflects the close collaboration between the single disciplines.

The MaD Lab at the FAU develops machine learning algorithms and ubiquitous computing systems. The aim of the MaD Lab is to contribute ML and AI research that is applicable to real-world interaction settings. Detailed information on ongoing projects is available on our website, via our publications and upon request.

Requirements:

Candidates for this position should have a master or comparable degree in Computer Science or a related discipline (Medical Engineering, Software Engineering, ...). The ideal candidate shows strong enthusiasm about teaching students and have good communication skills. The candidate should also blend expertise in software of wearable and ubiquitous computing systems with background knowledge in Machine Learning and an interest in various application areas.

Program details and contact for application/questions:

The project start date is February 1, 2019. Funding is available for 30 months, an extension is possible. Prospective applicants should apply with a cover letter and academic CV. Applications will be accepted until the position is filled.

Contact: Prof. B. Eskofier, Ph.D. ([bjoern.eskofier \(a t\) fau.de](mailto:bjoern.eskofier@fau.de))

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