FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

TECHNISCHE FAKULTÄT

MACHINE LEARNING
& DATA ANALYTICS

Postdoc Position in Computer Science (Machine Learning & Industry 4.0)

The Machine Learning and Data Analytics (MaD) Lab at the Friedrich-Alexander-University Erlangen-Nürnberg (FAU) invites applications for a **Postdoc position** in Computer Science. The position is open-topic within the scope of Machine Learning and Industry 4.0 applications. Research goals can be proposed in the job application or defined after an initial onboarding phase.

Background:
Industrial processes are getting more and more connected by technological advances in soft- and hardware. These advances provide additional process information and insights, but also generate large amounts of data that could be further utilized for increasing quality, quantity, or cost effectiveness. In this context, the MaD lab aims to contribute ML and AI methods for the analysis of industrial data. The MaD lab collaborates closely with academic partners from the Department of Mechanical Engineering at the FAU as well as industrial companies to foster scientific innovation in real-world Industry 4.0 challenges. To further extend the research efforts in this direction, to mentor (PhD) students working in these area, to support acquiring research funding, and to conduct self-motivated research, the MaD lab is inviting applications for a Postdoc position.

Work environment:
FAU 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 Machine Learning and Data Analytics 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 doctorate (or submitted dissertation) in Computer Science or a related discipline (Medical Engineering, Software Engineering, …), ideally with background in ML, AI or data analysis for industrial applications. The ideal candidate shows strong enthusiasm about conducting original research as well as teaching and mentoring of (PhD) students. The ideal candidate is similarly passionate about acquiring research funding and establishing projects with industry partners. The candidate is expected to be able to work self-organized and independently, and to be willing to take care of lab / university maintenance tasks.

Job details and contact for application/questions:
The start date can be flexibly defined. Funding is available for 36 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.

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