Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,500 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities. Join us to invent the future!

In the Faculty of Electrical Engineering, Computer Science and Mathematics at the Department of Power Electronics and Electrical Drives (LEA) Engineering a position as

**Student assistant (f/m/d) or Research assistant (f/m/d) with Bachelor's degree (SHK or WHB depending on personal qualification)**

in the scope of 9.5 up to 19 hours per week is open. Smaller work quotas are also possible by arrangement, e.g. to stay within marginal employment requirements. This is an employment initially limited to 6 months - an extension is presumed possible and desired.

**Job description:**
- Development of a distributed machine learning (ML) pipeline on an arbitrary number of standard PCs running Windows or Linux
- Automation of task scheduling, i.e., writing a program which loads a specific ML learning task from a scheduling server and executes the task on a local machine in the background (utilizing idling computing capacity)
- Implementing communication and logging routines
- Survey on possible open-source frameworks which can be utilized for the above tasks plus contributing to the development of such open-source software

**Requirements of employment:**
- Student of computer science, computer engineering, electrical engineering, mathematics, physics or similar
- Solid programming skills in Python (and other useful programming languages for the task)
- Solid experience with data base and data processing tools such as SQL, MongoDB, Apache Spark or similar
- Ideally prior knowledge to distributed scientific computing and/or optimization in an ML context

**We offer:**
- Self-dependent work process
- Cooperative surroundings
- Flexible work schedule (home-office possible)

For more information see: lea.uni-paderborn.de

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). Part-time employment is generally possible. Qualified disabled people (in the sense of the German social law SGB IX) are also encouraged to apply.

Applications with the usual documents and the **reference number 4470** should be sent to sekretariat@lea.uni-paderborn.de.

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