

WISSENSCHAFT UND WIRTSCHAFT IN EINEM JOB GEHT NICHT.

DOCH.

Finde es heraus am Fraunhofer IPT.

AS OF NOW, FRAUNHOFER IPT AT RWTH AACHEN OFFERS A
STUDENT ASSISTANT POSITION (M/W)
**RESEARCH IN "DATA ANALYTICS" IN THE
PRODUCTION**

The aim of this work is to help to research for the data related issues for the purpose of predictive maintenance in the production. With the improved data analyzing ability, faults could be predicted before effects and failures really occurs, so that the machines could be proactively maintained and the downtime could be minimized. However, there are still many issues to deal with, such as the acquisition of the data with high quality, the effective preprocessing methods and the storage of a big amount of data with multiple dimensions.

Your Task

- Research for data analytics, visualization methods and databases
- Implementation of the connection of databases, sensors and machine controllers
- Selection, implementation and validation of machine learning algorithms on the datasets

Your Skills

- You study computer science, electrical engineering, mechanical engineering or a similar subject
- You do have experience in machine learning and a programming language (eg Python, R, Matlab)
- You are curious, take initiative and show responsibility
- You are fluent in English and/or German

We Offer

- First-hand practice experience alongside your studies
- Flexible working hours and clearly defined tasks
- An ideal environment for top-notch research