

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)

DEEP LEARNING IN PRODUCTION TECHNOLOGY

In this work, software and deep learning algorithms will be developed, in order to examine sensor data of a demonstrator machine tool. In particular, the influence of the database system (e.g. SQL or Non-SQL, mongoDB or Redis) and of the deep learning framework (e.g. TensorFlow or ONNX) is in the foreground.

Your Task

- Introduction in the use case of the demonstrator machine tool
- Deriving the requirements for the data acquisition, in order to enable deep learning analysis
- Development of deep learning algorithms for the analysis of correlations between measured and output variables
- Programming for the application of the required structure of the data acquisition on the demonstrator machine tool

Your Skills

- You study Data Science, Informatics, Mathematics, Software Engineering or similar
- You do have extended knowledge in Numerical Methods in Engineering, Data Science and programming
- You have gathered first experience with Python
- 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