

Machine Learning Student Assistant Job

(up to 35 hours/month)

The Institute for Enterprise Systems (<https://www.uni-mannheim.de/ines/>) at the University of Mannheim combines the transfer of interdisciplinary basic research with industrial research and development projects.

We are currently looking for a student with outstanding motivation and capabilities for our running industry project NeuralPower (<https://www.uni-mannheim.de/news/neuralpower/>). The project deals with an intelligent load scheduling to increase the fraction of renewable energy that can be utilized and involves several industry partners.

Your tasks in this project will be:

- Preprocessing of the energy consumption data collected within the project
- Data Analysis and Visualization
- Implementation of different techniques for energy Disaggregation using neural networks
- Communication with industry partners

Therefore, we require a strong interest in (and ideally also prior experience with):

- Good Python programming skills
- Machine learning knowledge (especially neural networks)
- Knowledge about the German energy system (optional)

Initial prototypes of the energy disaggregation framework already exist. Your task will be an adaption of the existing framework to the data collected within the project. Therefore, you will be working together closely with the PhD researchers working on this project and the industry partners.

Have we aroused your interest?

Apply with your resume, your current transcript of records by email to marton@es.uni-mannheim.de.