RESEARCH ASSISTANT WANTED

SOFTWARE DEVELOPMENT AND MODELLING FOR INDUSTRIAL ENERGY RESEARCH (PYTHON)

At ETA–Fabrik, one of our activities is to investigate the applicability of flexibility and efficiency measures in industrial energy systems. Specifically, we conduct experiments using optimisation tools and a software framework written in Python to optimise the operating strategy of factories in real time.

Your task
We are looking for you to help conduct practical experiments within this framework and to extend the framework with new features. The main area of work will be the integration and coordination of several optimisation approaches in a multi–agent system.

Skills required for this role
- Basic knowledge of Python
- Basic knowledge of object–oriented programming
- German language skills (at least B2 level)
- At least 3 semesters left to study

Skills that will help you get started, but are not essential
- Experience in working with git
- Experience in solving optimisation problems (e.g. Mixed Integer Linear Programming – MILP)
- Experience with measurement data (e.g. using the Pandas framework)
- Knowledge of industrial manufacturing systems

What we offer
- Remote working
- Flexible working hours
- A supportive team to help you get started

ETA–Fabrik is committed to diversity and equal opportunities. We welcome applications from all qualified individuals.

KONTAKT
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If you have any specific questions or need further assistance related to this job posting, feel free to ask!

START
anytime

PREREQUISITES
Python
OOP
German

SALARY
13,46 €/h

WORKING TIME
>30 h/month

ENERGY EFFICIENCY. ENERGY FLEXIBILITY. RESOURCE EFFICIENCY.

ETA
ENERGIETECHNOLOGIEN UND ANWENDUNGEN IN DER PRODUKTION
ENERGY TECHNOLOGIES AND APPLICATIONS IN PRODUCTION

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