

OFFIS is a 1991-founded, internationally active Research and Development Institute for information technology based in Oldenburg, Lower-Saxony. In an average of 70 ongoing projects OFFIS, with its 300 employees, carries out research and prototypical development work on the highest international level in the areas of energy, health, manufacturing and transportation. OFFIS cooperates with more than 700 business and scientific partners worldwide.



R&D-Division: Energy
Group: Power Systems Intelligence

Work hours: up to 42 hours / month
Start: immediately or by arrangement

Research assistant (f/m/d) Front-end development for AI for the resilient operation of energy networks using Adversarial Resilience Learning

EMPHASIS OF THE RESEARCH GROUP:

The [Power Systems Intelligence group](#) works in research and development projects on solutions for a decentralized, decarbonized and cyber-resilient energy supply and specializes in machine learning and artificial intelligence methods. The group researches and develops solutions at the interface between power grid, energy market, artificial intelligence and a cyber-resilient system understanding.

YOUR TASKS:

Would you like to gain practical experience at Lower Saxony's largest research institute for computer science alongside your studies? We are looking for a student with talent and interest in UI/UX design and modern, interactive frontend development. Central task is the development of a user interface for the ARL framework. The concept of ARL is to let fully autonomous and self-adaptive agents compete against each other as attackers and defenders on a power grid model. The framework is executed in many parallel instances, which send data to a central database. A user interface is required for visualization and monitoring.

YOUR PROFILE:

- > Matriculation at a university or university of applied sciences
- > Experience with frontend development in Javascript
- > Knowledge of **VueJS, React, CSS, NodeJS and Javascript Express** or equivalent
- > Experience and/or interest in **UI/UX Design**
- > Independent and careful way of working

WE OFFER YOU:

- > Collaboration in innovative research projects on the use of artificial intelligence in critical infrastructures
- > Active participation and contribution to shaping a young research topic
- > Excellent support and integration into our team
- > Flexible working hours by arrangement
- > Possibility for Bachelor or Master theses in this field
- > Remuneration in line with the universities in Lower Saxony: 10,69€/hour (without Bachelor) and 12,43€/hour (with Bachelor)

CONTACT: Please send your application to: : bewerbung@offis.de

If you agree to our considering your application for other vacancies, then please inform us accordingly by including an informal consent in your covering email or attaching our [consent form \(PDF-Download\)](#) to your application..

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