

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 250 employees, carries out research and prototypical development work on the highest international level in the areas of energy, health and transportation. OFFIS cooperates with more than 600 business and scientific partners worldwide.



R&D-Division: Energy
Group: Simulation and Agents in multiple Domains

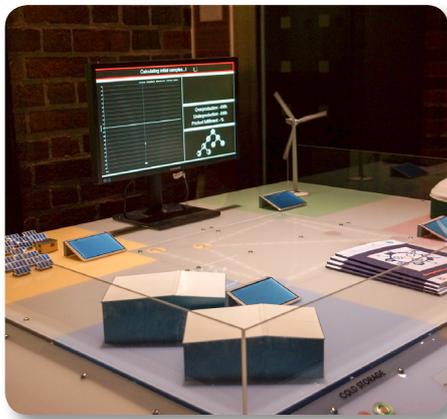
Contract duration: from 28 to 86 hours per month
Start: immediately or in consultation

Research Assistant (f/m) Maintaining the Demonstrator InEWoLa

OBJECTIVE:

As part of the project group Interactive Energy Wonderland (InEWoLa) a demonstrator desk was created. It visualizes the coordination of distributed unit energy resources and allows its users to learn interactively. The R&D division Energy frequently uses the demonstrator as figurehead and as a conversation starter at information events. We are searching for a research assistant to maintain and refine this exhibit.

The system is quite complex in that it has many hardware and software components and interfaces. The visualization uses JavaFX and D3.js, while the core algorithm is written in Java. The work is embedded into the research group Simulation and Agents in multiple Domains (SAM).



YOUR TASKS:

- ▶ Porting the system to new versions of imported software libraries
- ▶ Testing, debugging and error handling of software closely related to hardware
- ▶ Refactoring, encapsulation and demerging of reusable software components

YOUR PROFILE:

- ▶ Student at a university or technical college
- ▶ Interest in improving software quality
- ▶ Good programming skills in Java necessary
- ▶ Programming skills in JavaScript favorable

WE OFFER YOU:

- ▶ Working with a complex, cyber-physical research system
- ▶ Individual supervision
- ▶ Flexible working hours
- ▶ Remuneration following those of Lower Saxony's universities:
9,51 €/h (without Bachelor's degree) and 11,07€/h (with Bachelor's degree)
- ▶ Opportunity to write a Bachelor's or Master's thesis in the topic area

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

Contact Person:

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