

Our team is looking for a

Research Intern (m/f/d) – Dashboard for Wind Turbine Data

About us

The Chair of Non-Destructive Testing ([website](#)) is devoted to research and teaching in the field of material characterization using non-destructive testing methods. The focus of the chair includes the testing of newly developed materials and the use of machine learning methods to process complex data sets. The focus is on techniques such as ultrasound, radar, computed tomography, acoustic emission analysis, and infrared thermography. Industry-wise, the focus is on cooperation with companies from the automotive, aeronautic, and energy sectors. Our main location is in Garching near Munich.

Your Tasks

- Development of a lightweight, web-based dashboard for visualizing live wind turbine data
- Integration of measurement data from our existing acquisition system (e.g., via MQTT, OPC UA, or REST APIs)
- Designing intuitive visualizations for wind turbine data
- Setting up and configuring the data streaming pipeline
- Documenting the workflow and supporting researchers with visualization tools

Your Profile

- Solid PC and programming skills (Python required)
- Interest in data visualization and dashboard development (experience with Grafana, Node-RED, or similar tools is a plus)
- Interest in familiarization with instrumentation specific software
- Independent and structured working style
- German or English skills

What We Offer

- Opportunity to contribute to cutting-edge research in renewable energy and non-destructive testing
- Supervision of work by PhD students involved in the research project
- Flexible working hours

Working at our chair offers excellent professional development opportunities — it is the ideal preparation for upcoming lectures or thesis work at the chair of Non-destructive Testing.

If you are interested or have any questions, feel free to contact me directly.

Contact Information:

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