

Job advertisement

Vacancy ID: 247/2021

Closing date: 8 August 2021



**FRIEDRICH-SCHILLER-
UNIVERSITÄT
JENA**

Friedrich Schiller University is a traditional university with a strong research profile rooted in the heart of Germany. As a university covering all disciplines, it offers a wide range of subjects. Its research is focused on the areas Light–Life–Liberty. It is closely networked with non-research institutions, research companies and renowned cultural institutions. With around 18,000 students and more than 8,600 employees, the university plays a major role in shaping Jena's character as a cosmopolitan and future-oriented city.

The Institute of Physical Chemistry within the LPI seeks to fill the position of a

Scientific Programmer for Photonic data science (m/w/d)

commencing on the earliest possible starting date.

The "Leibniz Center for Photonics in Infection Research" (LPI) in Jena is an open user center where photonic solutions for diagnostics, monitoring and experimental therapy in infections are researched and developed into functional solutions with industry. The LPI was jointly applied for by the Leibniz Institute for Photonic Technologies Jena e.V. (Leibniz-IPHT), the Leibniz Institute for Natural Product Research and Infection Biology - Hans Knöll Institute (Leibniz-HKI) as well as the University Hospital Jena and the Friedrich Schiller University Jena under the patronage of the Leibniz Association. The Scientific Programmer contributes to the development of software solutions and computational pipelines for photonic data science at LPI.

Your responsibilities:

- Support our team in the development and maintenance of the in-house and open source projects
- Implementation and cloud integration of adapted machine learning techniques for spectral technologies and imaging methods
- Optimization of data pre-treatment and data standardization workflows performance
- Agile development, documentation, testing, and containerized deployment of the software packages
- Design and implementation of the UI components

Your profile:

- Successfully completed university studies in computer science, informatics, bioinformatics, physics, or comparable fields
- Experience in one or more of the following fields
 - Web development (Frontend – Vue.js/React.js, Backend – Node.js/Laravel/Django)
 - Coding proficiency in Python with a focus on data processing, machine learning, and deep learning
 - Database SQL and NoSQL systems, Elastic search
 - Parallel computing, GPU programming
 - DevOps: managing cloud infrastructures, experience of using container technologies such as Docker/Kubernetes would be a big plus.
- Knowledge in the areas of data science, simulation, and data standardization would be a plus
- Good English language skills are a prerequisite
- Confidentiality, creativity, and clear communication

We offer:

- An exciting/varied/interesting field of employment / Autonomous work at one of the largest employers in Thuringia / An exciting and varied scope of activities with creative freedom
- Interdisciplinary research at the interface between biology, medicine, optics, and data science
- Excellent equipment and infrastructure
- An interesting position at an international level / Participation in international conferences



- A Graduate Academy for doctoral candidates and postdocs;
- A family-friendly working environment with a variety of offers for families: University Family Office 'JUniFamilie' and flexible childcare ('JUniKinder');
- University health promotion and a wide range of university sports activities;
- Flexible working hours (flexitime and, if applicable, teleworking)
- A comprehensive further and continuing education programme and individual qualification and development measures
- Attractive fringe benefits, e.g. capital formation benefits (VL), Job Ticket (benefits for public transport), and an occupational pension (VBL);
- Remuneration based on the provisions of the Collective Agreement for the Public Sector of the Federal States (TV-L) at salary scale 13 – depending on the candidate's personal qualifications—, including a special annual payment in accordance with the collective agreement.

The advertised position is initially limited until 28.02.2026. This is a full-time position (40 hours per week).

Candidates with severe disabilities will be given preference in the case of equal qualifications and suitability.

Further information: PD Dr. Thomas Bocklitz, e-mail: thomas.bocklitz@uni-jena.de

Are you eager to work for us? Then submit your detailed application by email (one PDF file), stating the vacancy ID 247/2021 by 8 August 2021 to:

sophie.thamm@uni-jena.de

For further information for applicants, please also refer to www4.uni-jena.de/stellenmarkt_hinweis.html (in German)
Please also note the information on the collection of personal data at www4.uni-jena.de/en/jobs_information_collecting_personal_data.html