Technische Universität Dresden - Center for Interdisciplinary Digital Sciences (CIDS), Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden)

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution. As part of the German government's artificial intelligence (AI) strategy, the successful Saxon competence center ScaDS.AI Dresden/Leipzig (Center for Scalable Data Analytics and Artificial Intelligence) is being expanded into a leading German AI competence center for Big Data and Artificial Intelligence (AI).

Research Associate / PhD Student (m/f/x)

At the Center for Interdisciplinary Digital Sciences (CIDS), the Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden) offers two positions as Research Associate / PhD Student (m/f/x) (subject to personal qualification employees are remunerated according to salary group E 13 TV-L) starting at the earliest possible date. The position is limited to three years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (usually PhD). Professional assignment: Chair of Knowledge-Aware Artificial Intelligence (Prof. Dr. Simon Razniewski) Research area: Large language models (LLMs), knowledge graphs (KGs), commonsense knowledge

City: Dresden; Starting Date: At the earliest possible; Duration: limited to three years; Renumeration: subject to personal qualification employees are remunerated according to salary group E 13 TV-L; Closing date: 12/02/25

Working field

• foundational or applied research in at least one of the following areas: LLMs, KGs, knowledge extraction, knowledge integration, KG completeness, commonsense-reasoning or similar
• preparation of publications for submission to top-tier NLP or AI venues
• contribution to teaching and/or local BSc./MSc. thesis supervision
• collaboration in national or international research projects (optional)

Requirements

• university degree (typically M.Sc.) in Computer Science, Computational Linguistics, Mathematics or a related field
• solid knowledge in one of the relevant research areas
• excellent programming skills are desired
• strong interest in basic research
• very good written and spoken English skills
The position comes with access to high performance computing resources and access to training opportunities within ScaDS.AI.

Application
TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents (Cover letter, CV, copies of your references and certificates), quoting the job reference „ScaDS.AI Prof. Razniewski", by February 12, 2025 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: TU Dresden, ScaDS.AI, Herrn Prof. Dr. Wolfgang E. Nagel, Helmholtzstr. 10, 01069 Dresden, Germany or via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **scads.ai@tu-dresden.de.** Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.

Weitere Informationen unter https://stellenticket.de/191398/
Angebot sichtbar bis 12.02.2025