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

TECHNISCHE UNIVERSITÄT DRESDEN

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). It is located at the University of Leipzig and the TUD Dresden University of Technology. At each location we bring together more than 150 staff members. In ScaDS.AI, various research topics are being worked on within the framework of a graduate school on the fundamentals and applications of data science and artificial intelligence. In addition, service-oriented solutions are developed and there is close cooperation with a large number of partner organizations from science and industry. The center offers an excellent working environment with access to state-of-the-art technologies and an outstanding high-performance computing infrastructure. 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.

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

At the Center for Interdisciplinary Digital Sciences (CIDS), the Department Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden/Leipzig) offers 2 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 next possible date. The positions are limited to three years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The positions aim at obtaining further academic qualification (usually PhD). Balancing family and career is an important issue. The positions are generally suitable for candidates seeking part-time employment. Please indicate your request in your application. The work is being done within a multi-disciplinary research environment organized within a structured PhD program that enables to complete a doctoral thesis within three years.

City: Dresden; Starting date (earliest): At the earliest possible; Duration: limited to three years; Remuneration: subject to personal qualification employees are remunerated according to salary group E 13 TV-L; Reference number: w25-063; Closing date: 28/08/25

Working field

Researchers of several disciplines are collaborating in ScaDS.AI on advancing a broad spectrum of AI. The spectrum of available topics ranges from core areas of AI Theory, Hardware, Mathematic foundations, AI applications to societal aspects of AI. The topics are not limited. Information about the available topics and supervisors can be found under the following link: http://scads.ai/positions2025. The location of work (Dresden or Leipzig) depends on the topic assigned for each position.

Requirements

• outstanding university degree (typically M. Sc.) in Computer Science, Data Science, Statistics, Mathematics or another relevant field study with good GPA (at least finished before July 2025)
• very good programming skills and AI/ML knowledge
• good written and spoken English skills (CEFR level C1 or higher)

What we offer

• cutting-edge research in data science and artificial intelligence
• full funding (TV-L / minimum monthly gross salary of about 4.500 Euro full time)
• well-structured three-year qualification and research program in English with regular feedback and adjustment mechanisms (reading groups, summer schools, specialized courses, lecture series and soft skill courses)
• strong international orientation, guest program for research stays abroad, international mentoring and supervision by two principal investigators
• excellent hardware facilities for high performance computing and scalable AI

Application

What to submit:
• master certificate and transcript of records (if not in German or English: original and official translation)
• curriculum vitae (as a PDF document)
• research statement (motivation to pursue PhD and the specific research topic you are interested in (maximum 3 positions))
• contact information of two references
• for non-native speakers: proof of English language test not older than 12 months (e.g. TOEFL, IELTS, CAE)
• proven language skills can be: completed degree program, school-graduation in Germany, TOEFL)

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. 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 above-mentioned documents quoting the job number w25-063 by August 28, 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 jobs-scads.ai@tu-dresden.de. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews can 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.

More information at https://stellenticket.de/197102/TUBS/
Offer visible until 28/08/25