



Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

In the **Faculty of Computer Science, Electrical Engineering and Mathematics**, the Department of Computer Science – **Computer Networks Group** – offers as soon as possible the position as a

Research Assistant (f/m/d)

(Salary level according to E 13 TV-L)

with a regular working time of 100 %. This is a qualification position within the meaning of the Wissenschaftszeitvertragsgesetz (WissZeitVG), which serves to promote a doctoral program in the field of computer science – in the research area of networked systems, covering topics like data center computing, hardware-accelerated network functions, and in-network computing. The position is to be filled for a limited period for the duration of the doctoral procedure, depending on the qualification achieved, but generally for a period of 3 years. An extension for the completion of the doctorate is possible within the time limits of the WissZeitVG, if applicable.

The Computer Networks group develops concepts and methods to make networked systems, ranging from large-scale data centers to tiny IoT devices, more efficient and sustainable. Our focus is on creating better programming tools, middleware, and protocols leveraging emerging hardware. We are looking for highly motivated PhD researchers to join our international team.

Area of responsibility:

- Participating in teaching activities, usually 4 hours per week
- Conducting research on networked systems

Hiring requirements:

- Scientific master's degree in computer science or a related field
- Experience in at least one of the following areas: data center computing (e.g., serverless, DNN training/inference), networking (e.g., P4, eBPF), and FPGA
- Keen interests in network hardware, architecture, and practical systems research
- Good knowledge and understanding of computer networks and operating systems
- Good programming skills in languages such as C/C++, Rust
- Very good command of English, both written and spoken

We offer:

- Flexible working hours and the individual option of mobile working
- Wide range of health, counseling and prevention services
- Attractive fringe benefits such as childcare facilities and sports activities
- Opportunities for internal and external training and development
- Additional benefits in accordance with the collective agreement of the federal states (TV-L), such as annual bonuses and capital-forming benefits as well as the VBL supplementary pension scheme

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application documents (letter of motivation, detailed CV containing education and employment records, transcripts of Bachelor's and Master's degrees and contact details of at least two references) using the **Ref. No. 6792** by **March 7th, 2025**, preferably in a single pdf file, to lin.wang@uni-paderborn.de.

Information regarding the processing of your personal data can be located at:

<https://www.uni-paderborn.de/en/zv/personaldataenschutz>.

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