Are you looking for a new professional challenge?
Then this is the place to be!
Become part of our international team!

ZIB
ZUSE INSTITUTE BERLIN

October 11th, 2024

The Zuse Institute Berlin (ZIB) is a non-university research institute under public law of the state of Berlin. Within the research group "AI in Society, Science, and Technology" and in order to conduct research in the field of algorithmic machine learning, we are offering for two years, starting as soon as possible, a

Research Position (m/f/d)
Reference Code: IWA 42/24
Pay Grade 13 TV-L (100 %)

Job description

We are looking for a passionate researcher to join our team, specializing in efficient deep learning techniques. The role involves developing, implementing, and analyzing advanced deep learning models, with a strong focus on leveraging symmetry discovery and equivariance relaxations. You will be responsible for adapting these models using Pytorch, ensuring they are optimized for performance and scalability in real-world applications. This position requires a strong mathematical foundation and scientific rigor, making it ideal for someone eager to push the boundaries of efficient deep learning and contribute to cutting-edge research in the field.

Your profile

- Outstanding University degree (Master's/Diploma) in computer science, mathematics, artificial intelligence or comparable subjects
- Expertise in the field of efficient deep learning, symmetry discovery and algebra, with practical experience in PyTorch
- Strong programming skills in Python and deep learning frameworks, with further experience in HPC setups
- Strong interest in interdisciplinary collaboration and exploring new, impactful research questions, particularly those at the intersection of mathematics and machine learning
- Very good English language skills

We are offering a friendly working atmosphere with flexible work and meeting times, excellent equipment, and a challenging professional environment

as well as

- comprehensive training in a competent and cooperative team,
- an additional pension scheme (VBL),

- 30 days annual leave, additionally free from work on December 24th and 31st,

- compatibility of work and family through flexible working hours, e.g. (flexitime),

- a salary in accordance with TV-L (Collective Agreement for the Public Service of the Federal States), taking into account the relevant professional experience,

- capital allowance of up to €150 per month, alternatively a discounted BVG (public transport) ticket + difference amount,

- an end-of-year bonus,

- the use of canteens and sports programs of the Freie Universität Berlin (FUB) at reduced rates.

Although this position advertised is full-time, a part-time agreement is also possible.

Female applicants are highly encouraged to apply. Since women are underrepresented in information technology, the ZIB is trying to increase the proportion of women in this research area.

Applicants with disabilities will be given preference if equally qualified.

Please send your application, quoting the reference code **IWA 42/24**, including a cover letter containing a cover letter, your CV and the standard supporting documents as **one PDF file** by October 16th, 2024 (date of receipt) to: jobs@zib.de.

For further information about this vacancy, please refer to our website www.zib.de or contact Max Zimmer (zimmer@zib.de).

Our private policy statement regarding application data is available at www.zib.de/impressum.

For further job offers please visit our website at https://www.zib.de/jobadvertisement.