Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Assistant - salary grade E13 TV-L Berliner Hochschulen

Part-time-employment may be possible

The position is to be filled as soon as possible and is initially limited to two years.

The Chair of “Machine Learning and Security” explores the interface between computer security and artificial intelligence (AI). The chair develops new approaches to protect learning-based systems and defend against attacks and malware. It is part of the AI Competence Center BIFOLD in Berlin.
The chair is looking for a research assistant (PhD student) for the project AIGENCY. This project investigates the opportunities and risks of generative AI (such as ChatGPT) from the persepective of computer security. It explores the attack surface of generative AI models and develops novel attack and protection mechanisms. The aim is to scientifically assess security risks and contain them at an early stage. The possibility of a doctorate exists.

Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Machine Learning and Security
Reference number: IV-457/24 (starting at the earliest possible / until 31/10/26 / closing date for applications 20/09/24)

Working field:

- Research and security analysis of generative AI models
- Analysis of vulnerabilities and attacks on generative AI
- Development of protection mechanisms for generative AI
- Scientific publishing

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in Computer Science or in a related technical area
- Very good knowledge and skills in the area of machine learning
- Very good knowledge and skills in the area of computer security
- Experience in the development of AI and/or security systems
- Team player with initiative and independent working style are desirable
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

Research Environment

- Exciting and challenging research work
- Collaborative and positive academic environment
- Renowned and dedicated team
- Vivid network of researchers worldwide

Please send your application **with the reference number** and the usual documents (all combined in a single pdf file, max 5 MB) **by email** to **hashmi@tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/ .

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Technische Universität Berlin - Die Präsidentin - Fakultät IV, Institut für Softwaretechnik und Theoretische Informatik / FG Maschinelles Lernen und IT-Sicherheit

The vacancy is also available on the internet at
https://www.personalabteilung.tu-berlin.de/menue/jobs/

Zertifikat seit 2008
audit familiengerechte hochschule