

Fraunhofer Heinrich-Hertz-Institut



The Fraunhofer Heinrich Hertz Institute (HHI) is one of the world's leading research institutes for mobile and stationary communication networks and for the key technologies of the future. We have consistently focused our areas of expertise on current and future market and development requirements.

Student Assistant in Applied Machine Learning

City: Berlin; Starting date (earliest): At the earliest possible; Duration: The position is initially limited to 12 months. An extension is explicitly desired.; Remuneration: According to TVöD; Reference number: 80181; Closing date: 15/07/25

Working field

- Test new deep learning architectures
- Analysis and preprocessing of different data types (texts, images, time series, graphs, etc.)
- Review latest literature and data
- Orchestration and documentation of deep learning experiments
- Processing and visualization of huge amounts of data
- Applied science in exciting projects
- Preparation of presentations
- Testing software and frameworks

Requirements

- Enrolled in a master's programme of computer science, mathematics, physics, electrical engineering, computational linguistics, or similar with good grades
- PyTorch skills: experience in training machine learning models with one or more GPUs; ability to work with pre-existing codebases and get a training run going
- Research interest in one or more of the following: Applied ML, Natural Language Processing, Computer Vision, Reinforcement Learning for LLMs, Information Retrieval, Multimodality, Spatio-temporal Modeling, Self-supervised Learning, Biomedical AI
- Understanding of deep learning fundamentals
- Strong data engineering skills in Python with knowledge of NumPy, Pandas, SQL, Bash, Docker, git, etc.
- Willingness to clean large, messy datasets
- Excitement about clean, structured code
- Conscientiousness in implementing, testing, and documenting algorithms
- High degree of proficiency in spoken and written English

What we offer

- Fascinating challenges in a scientific and entrepreneurial setting
- Attractive salary
- Modern and excellently equipped workspace in a central location
- Great and cooperative working atmosphere in an international team
- Flexible working hours
- Hybrid work environment
- Opportunities to write a master's thesis (depending on topic suitability)

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Application

Closing date: 15/07/25

Reference number: 80181

Contact person: Mr. Raunak Agarwal

By internet: <https://jobs.fraunhofer.de/job-invite/80181/>

More information at <https://stellenticket.de/196111/HTWB/>

Offer visible until 15/07/25

