

### **Open Positions: Student Research Assistant - Deep Learning for Data Integration**

The Web-based Systems Group (Prof. Bizer) at the University of Mannheim offers two open positions for Master students in data science, business informatics, or related disciplines as

#### **Student Research Assistant (m/f/d) 40 to 60 hours per month (12,50 Euro/hour)**

The Web-based Systems Group develops methods for integrating data from large numbers of data sources, including schema matching, entity resolution, data fusion, and data discovery methods. Recent innovations in deep learning have the potential to significantly improve the performance of data integration methods compared to traditional, symbolic approaches. We are looking for student assistants to support our research on exploiting these potentials.

#### **Your tasks include:**

- Support of our research team with regards to experimentation and data engineering
- Application of existing deep learning methods, especially Transformers
- Customization of Python-based data integration frameworks
- Preparation of benchmark datasets

#### **What's in it for you:**

- Flexible working hours and home-office (in coordination with us)
- Possibility of implementing your own ideas as part of the job or in the form of an accompanying master thesis
- A first-hand look into the world of research and hands-on experience with state-of-the-art deep learning methods

#### **Must-have skills:**

- Good programming skills in Python
- Strong academic record in relevant courses
- Readiness to deep-dive into existing code and datasets

#### **Nice-to-have skills:**

- Hands-on experience with Deep Learning algorithms
- Experience with the huggingface Transformers library
- Good knowledge of the PyTorch framework

Please send your application (cover letter, CV, transcript of records) via email to:

[christian.bizer@uni-mannheim.de](mailto:christian.bizer@uni-mannheim.de) and [ralph.peeters@uni-mannheim.de](mailto:ralph.peeters@uni-mannheim.de)