Ph.D. Position in Artificial Intelligence

We, the Chair for Information Systems Research at the University of Freiburg (Prof. Dr. Dirk Neumann), are looking for a highly-motivated Ph.D. student starting in October 2022. The position is fully-funded (100%).

Topics and scope

Candidates (m/f/d) should be interested in machine learning / artificial intelligence and in particular the application of deep learning models and computer vision techniques to use cases from the fields of energy informatics, geospatial analytics, and smart cities.

This position is part of a cooperation project with Leipziger Stadtwerke. The candidate will work closely with a team of data scientists in an agile environment. The project team will integrate telemetry and sensor data with visual representations of cities and buildings and utilize this data to predict parameters related to energy, sustainability, and living quality.

Furthermore, the candidate will publish the development and application of their machine learning models in scientific journals as part of his Ph.D. studies. The chair has a strong placement record and is highly research-oriented. Previous colleagues have taken prestigious positions at the University of Oxford, ETH Zürich, LMU Munich, Erasmus University Rotterdam, and in industry after completing their Ph.D.

The position is located in Freiburg im Breisgau. However, a great share of the tasks can be performed remotely. The candidate will be working in teams with diverse backgrounds, such as Computer Science, Economics, Management, Physics, Mathematics, and Engineering.

Profile

- Education: Excellent master's degree in an analytical field (e.g., computer science)
- Personality: Self-motivated, open-minded, and inter-cultural team player with good communication and presentation skills
- Working Practice: Result-oriented and able to work both independently and within a team environment
- Experience and Knowledge: Profound experience in machine learning, motivation to solve complex analytical problems, and advanced programming skills (e.g., in Python)
- Languages: Fluent in English (written and spoken). German skills are highly appreciated

We particularly want to encourage qualified women to apply. If qualified, disabled applicants will be preferred.

Interested candidates are asked to send a CV with recent grades to simon.albrecht@is.uni-freiburg.de. Further information can also be found on our website: https://www.is.uni-freiburg.de.

We are looking forward to promising applications.