DISCOVERGY

DISCOVER YOUR ENERGY

Internship or Master Thesis- Data Science

Heidelberg (Germany)

Discovergy offers smart energy metering solutions to both private and corporate clients. We enable our clients to monitor, optimize and take control of their energy consumption and production. We are a fast growing Big Data company, collecting and processing hundreds of millions of measurements every day. We have one of the most flexible and scalable architectures build using innovative and state of the art technologies. We are looking for skilled and enthusiastic developers joining our dynamic and highly skilled team!

Your responsibilities:

- Research and development of advanced machine learning models for analysing large time series data
- Validation, testing and improvement of existing models
- Work on deriving insights from the real world data collected from our smart meters. The exact project can be discussed with the student but some of the topics of interest are:
    - PV diagnosis: Automatic detection of abnormal patterns in microgrids
    - Anomaly identification in time series electricity consumption data
    - Energy disaggregation to obtain itemised description of the appliance energy consumption from smart meter data
    - Customer segmentation based on consumption patterns.

Your qualifications:

- A structured approach to problem framing, experiment design and execution
- Background in computer science, applied math, statistics or related area. Candidates with other engineering and natural sciences background will be considered if they can demonstrate understanding of basic machine learning concepts.
- Working knowledge of any of Python/Java/C++/Matlab
- Enthusiasm to use state of the art machine learning tools to solve tackle sustainability issues
- You are driven, creative and a self-starter.
- Fluency in English, German is a plus

What we offer:

- Pleasant working environment within a dynamic and international team
- Opportunity for fast personal development and a steep learning curve

DISCOVERGY
DISCOVER YOUR ENERGY

- Various exciting topics to work on and make an impact
- A monthly stipend

Please send your application with your earliest possible starting date by e-mail to jobs@discovergy.com. If you have any questions, please do not hesitate to contact Mr. Shubham Bansal at sb@discovergy.com.