DAIMLER

Internship in Synthetic data generation for AI development starting from October 2021
for   Daimler Truck AG

Tasks

Team Advanced Analytics has been established to drive the movement towards a data driven organization at Daimler Trucks by providing data enabled analyses for vehicle and powertrain engineering departments.

The team's tasks include the development of tools and methods for data visualization and analysis, the generation of predictions and root cause analysis models by using statistical and machine learning methods. In addition the team supports engineering departments on complex use cases.

For this purpose we are looking for creative team players who share an enthusiasm for data analytics, machine learning and the willingness to develop new technologies in the field of data science.

To provide precise results to the engineering departments we test our methods and tools using synthetic data. This data is created using a data generator which we develop in our team. By this we are able to create data required for different test scenarios. This data is similar to our real world data but has exactly the properties we need for testing. As a next step we want to extend the data generator to create larger amounts of data which mimics the statistical properties of the real world trucks.
The target of this internship is the implementations of functions to extend the data generator. By gaining a basic understanding of the truck domain and combining this domain knowledge with up to date machine and deep learning methods the data generator functionality shall be extended.
Your Tasks:

- Literature Study
- Development of AI model to generate synthetic data

- Implementation in existing tools
- Documentation

Qualifications

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Student of computer science, engineering or similar.
This internship has to be a mandatory internship.
Experience and specific knowledge:

- Experience in data science, data analytics or data engineering, e.g. in the field business intelligence or Big Data
- Knowledge of stochastic models and artificial intelligence, e.g. machine learning or neural networks
- Knowledge of Python

Nice to have:

- Experience with cloud-based data analytics environments like Microsoft Azure
- Knowledge of distributed data processing, e.g. Spark

Language-skills:

- Business-fluent in English and German

Personal competencies:

- Distinct analytical way of thinking
- Very good communication and social skills
- Understanding for complex contexts
- Dedication
- Ability to work in a team

It doesn't work completely without formalities. **When sending your online application, please attach your CV, certificate of enrollment, current performance record, relevant certificates, if applicable proof of mandatory internship and the standard period of study (max. 5 MB).**

Please find the criteria of employment here.
Citizens of countries outside the European Trade Union please send, if applicable, your residence / work permit.

We particularly welcome online applications from candidates with disabilities or similar impairments in direct response to this job advertisement. If you have any questions, you can contact the local disability officer once you have submitted your application form, who will gladly assist you in the onward application process:
SBV-Zentrale@daimler.com Please understand that we no longer accept paper applications and that there is no right to get your documents returned.

If you have any questions regarding the application process, please contact HR Services by e-mail at hrservices@daimler.com. or the chatbot on our career page via the plus symbol.

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