Interdisciplinary Project (IDP) (m/w/d)
Building a SaaS Machine-Learning Platform

Erium is a Munich-based startup focusing on Machine Learning. We help companies from the manufacturing industry to optimize their production processes. To make this offer faster, more accessible and more efficient we are establishing a SaaS platform on top of our machine learning backend.

The goal of this IDP is to build a web app which constitutes the interface between data sources and machine learning. The IDP can be conducted by a team of up to four people.

Your Role(s):

Data Processing:
Before any data set can be processed by a machine learning algorithm it has to be prepared in the correct way. In this project you will create an ETL (Extract - Transform - Load) process to merge multiple sources of data. The tricky part is how to merge tables with different structure and how to deal with incomplete data.

Application Back-End:
In order to handle the data efficiently, a well built application backend is necessary. You will be responsible for key design choices, the conceptualization, and the implementation.

Application Front-End:
The way how the data should be treated depends heavily on user settings. Furthermore, the application needs an user interface for creating the data-connections and specifying details like the data-types of the tables' columns. For this task you will conceptualize and develop an user interface following UX best practices.

DevOps:
A productive and controlled development workflow is key for success. Part of this workflow is the DevOps pipeline. You will build such a pipeline by evaluating different platforms and tools that are possible (Jenkins, GitLab CI, …) and implement them.

What you should be interested in:
- Creating application- and database-architecture
- Full-stack web development
- Web-frameworks like Flask/Spring/Angular/React
- Queues and multi-threaded (async) programming
- The accessibility of machine learning algorithms
- Excellence: You work with outstanding team members who are experts in their fields.
- Corporate culture: Strong team spirit with short decision loops and direct feedback
- Personal growth: we encourage personal as well as professional development.
- Influence: We offer you to take responsibility and to contribute by actively exchanging knowledge and skills.
- Balance: We don’t expect people to work 12 hours a day. Want to work from home sometimes? No problem.

What we offer:

Send a short(!) letter of motivation, your current CV, and your performance record to hr@erium.de!

Erium GmbH
Lichtenbergstraße 8
D-85748 Garching bei München

https://erium.de
hr@erium.de
+49 172 6623509

Apply Now!