

# Job Description: AI/ML Engineer (m/f /d)

Are you passionate about pushing the boundaries of technology and reshaping the future of networks sustainably? Join bitteiler, a cutting-edge deep tech spin-off from TU Dresden that was founded.

Our vision is to improve current and future networks using AI-aided compression and coding technologies to cope with the rapidly growing amount of data. With the emergence of IoT-based data sources, such as those found in Industry 4.0, the need to store and analyze past and current information is placing an increasingly heavy burden on current solutions. We ensure that our customers can quickly capture and discover information with minimal effort in terms of cost, efficiency, security and privacy.

## Responsibilities

- Work with the team and partners to create tailor-made AI-agents to fit stringent requirements
- Design and execute data collection strategies using sensor devices and network equipment to develop large scale neural networks
- Deploy AI and maintain edge- and cloud services
- Aiding the founder team at exhibitions with technical setups

## Required Qualifications

- C/C++, python, tensorflow/keras, CUDA, scikit-learn, matplotlib
- Expertise in complex neural networks and reinforcement learning techniques (e.g., policy gradient, q-learning)
- A deep understanding of how to properly train, test and validate machine learning models to avoid overfitting, etc.
- A thorough command of principle machine learning concepts, like SVM, PCA, regularization
- At least a basic understanding of communication or information theory, computer networks and telecommunications
- Readiness of writing and maintaining technical documentation
- Desire to work in an international and very dynamic team
- Willingness to flexibly take on many different tasks and to adapt to the daily needs of a start-up
- English at a fluent communication level

## What We Offer

- A fixed-term full-time contract (based on the German public sector pay scale TVL E13) for at least 2 years, starting as soon as possible
- 30 days of vacation per year
- Flexible working hours and the possibility to sometimes work in a home office
- Opportunity to attend many tech fairs/shows not only in Germany, but worldwide.
- In the long term, if you have become an indispensable member of bitteiler team, we are also willing to provide company shares

To apply, please send a tabular CV and a short motivation letter in English to [apply@bitteiler.com](mailto:apply@bitteiler.com). We are already looking forward to your application!