

# Internship - Efficient Driver Activity Recognition via Latent Feature Augmentation - REF85500Q

## Vaše náplň práce

For our Berlin location, we are looking for an intern (m/f/diverse) for a duration of at least 3 months in the AI Lab, starting as soon as possible.

Your tasks include:

- Develop and evaluate feature-level augmentation techniques (e.g., latent interpolation, distribution calibration) to improve recognition of rare or underrepresented driver activities
- Design robust and generalizable models using self-supervised learning and domain adaptation strategies to handle real-world challenges.
- Benchmark and interpret model performance to validate the impact of augmentation
- Collaborate with our team on potential follow-up research projects

## Váš profil

- Students of a technical course such as Computer Science, Machine learning, Artificial Intelligence, Statistic, Mathematics, Mechatronics
- Well versed in Python, PyTorch and Machine learning models (CNN, Transformers)
- Self-supervised learning, representation learning
- Basic knowledge of German and fluent English language skills (written and spoken)
- Learning ability and analytical thinking
- Results orientation, independence and motivation

Please remember to upload your current enrollment certificate, your latest transcript, and an excerpt from the current study regulations regarding the completion of a mandatory internship, as these are essential for processing your application!

If necessary, please submit a valid residence permit and your work permit, including the supplementary sheet.

Applications from severely handicapped people are welcome.

## Co nabízíme

The AI Lab Berlin is part of Continental's central research and pre-development and will be responsible for enabling the use of artificial intelligence in future products of our company. With our team of



ID pracovní pozice  
**REF85500Q**

Obor  
**Inženýrství**

Lokalita  
**Berlin**

Kontakt  
**Katharina Stangl**

Právnícká osoba  
**co-pace GmbH**

currently 25 employees, we take advantage of the opportunity to actively participate in the latest developments in this research field in a co-working space. This novel concept for Continental also involves several organizational challenges, and there are various areas where you can assist us. You will get to know the corporate structure, work in a highly motivated team, and maintain agile exchanges with start-ups, established companies, and universities. Working at the AI Campus in Berlin means being part of a highly motivated team focused on artificial intelligence. In one of Germany's centers for AI, it is our vision to be at the forefront of research by seeking open exchange with the community. Numerous presentations, meetings, and discussions, as well as various team events, ensure a rapid exchange of information. In our newly established team, consisting mainly of PhD students, we maintain a harmonious working atmosphere with relaxed collaboration and exchange. Despite this inviting culture of collaboration, we offer sufficient flexibility in working hours and location. See you at the campus!

Do you want to accelerate with us? Take off and apply now!

Ready to drive with Continental? Take the first step and fill in the online application.

## **O nás**

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation.

In 2022, Continental generated sales of €39.4 billion and currently employs around 200,000 people in 57 countries and markets.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services.