

Internship - Machine Learning and Control Systems - REF92939Q

Your tasks

Join the Machine Intelligence department, part of the manufacturing organization, where we bring cutting-edge AI and machine learning solutions to industrial machinery that manufactures tires. Our work spans control systems, measurement technologies, extended reality, and robotics, creating a dynamic environment for innovation.

You'll be part of an innovative team shaping the future of smart manufacturing by contributing to real-world industrial challenges of optimizing machines through data-driven solutions. This internship and thesis provide a unique opportunity to work in machine learning and intelligent control systems that dynamically adapt to changing conditions in manufacturing.

Within this exciting work environment at our location in **Hanover-Stöcken**, we are offering an internship starting in **March 2026**, with the option to follow up with a thesis project. For the best possible learning experience, the internship should last about **6 months**.

Tasks include:

- Experiment with time-series and tabular machine learning models, applying feature engineering techniques to boost model performance.
- Develop adaptive control systems and machine learning models for real-world industrial challenges.
- Deploy and validate models on production machinery to optimize manufacturing processes.

Your profile

- Enrolled students (m/f/diverse) that study mechatronics, electrical engineering, mechanical engineering or similar
- Advanced skills in Python and machine learning frameworks such as TensorFlow, Pytorch etc.
- Knowledge of programmable logic controllers (PLCs) and control systems.
- Basic understanding of reinforcement learning.
- Very good written and spoken English skills and good written and spoken German skills
- Teamwork, creativity, and interest in innovative technical solutions
- Strong communication skills and a structured approach to work

Please attach your **current certificate of enrollment** and also your **current transcripts of records** and an extract of certificate for a mandatory internship. Those documents are mandatory for processing your application. If available, please submit your **valid residence permit**



Job ID
REF92939Q

Field of work
Electrification Technology

Location
Hannover

Contact
Inez Kruse

Legal Entity
Continental Reifen Deutschland GmbH

as well as your work permit including the additional sheet.

Applications from severely handicapped people are welcome.

Our offer

We offer the following benefits:

- International and dynamic work environment
- 100% member of our core team which exceeds classical intern tasks
- Flexible working hours to fit your study schedule
- A hybrid work environment – remote or on-site depending on team organization and tasks
- Attractive remuneration
- Qualified support from our specialists
- Health-oriented workplace

If you are interested to learn more about this specific Continental location, you are welcome to visit our location page: [Continental / Hannover Stöcken](#)

[Diversity, Inclusion & Belonging](#) are important to us and make our company strong and successful. We offer equal opportunities to everyone - regardless of age, gender, nationality, cultural background, disability, religion, ideology or sexual orientation.

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

About us

Continental is a leading tire manufacturer and industry specialist. Founded in 1871, the company generated sales of €39.7 billion in 2024 and currently employs around 95,000 people in 54 countries and markets.

Tire solutions from the Tires group sector make mobility safer, smarter, and more sustainable. Its premium portfolio encompasses car, truck, bus, two-wheel, and specialty tires as well as smart solutions and services for fleets and tire retailers. Continental has been delivering top performance for more than 150 years and is one of the world's largest tire manufacturers. In fiscal 2024, the Tires group sector generated sales of 13.9 billion euros. Continental's tire division employs more than 57,000 people worldwide and has 20 production and 16 development sites.