

Internship - Development of AI Agents for Finite Element Simulation Automation - REF89530F

Your tasks

The Truck Tire Mechanics / Virtual Developing department at our Hannover-Stöcken location is responsible for developing virtual tools based on the Finite Element Method to support tire technology development within Continental's Research and Development.

In this exciting environment, we are offering an internship **starting immediately**. For the best possible learning experience, the duration should ideally be **6 months**.

Your tasks will include:

- Building an AI Agent framework working leveraging LLM APIs
- Implementing Retrieval-Augmented Generation (RAG) with various relevant techniques
- Developing a data store for completed tasks
- Creating a modular function library
- Documentation and validation

Your profile

- Student in the field of Computer Science, Data Science, Artificial Intelligence, or similar
- Strong Python programming skills (essential)
- Strong skills in scripting/modifying text-based input files (essential)
- Basic understanding of finite element simulations and input file structures
- Familiarity with Linux environments, VS Code, and version control (Git)
- Experience with:
 - Large Language Models (LLMs)
 - LangChain, Transformers, or any tool-using agent framework
 - Retrieval-Augmented Generation (RAG) and related techniques
 - Model Context Protocol (MCP) (beneficial)
- Good English language skills (written and spoken)
- Independent problem-solving skills
- Clear documentation and communication
- Willingness to experiment and iterate

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 required, please submit your valid residence permit as well as your work permit including the additional sheet.



Job ID
REF89530F

Field of work
Engineering

Location
Hannover

Contact
Inez Kruse

Legal Entity
Continental Reifen Deutschland GmbH

Applications from severely handicapped people are welcome.

Our offer

- Develop your skills in a real-world business environment with real-world use cases.
- Try new things and drive innovation.
- Attractive remuneration
- Flexible working hours in the flexitime model
- A hybrid work environment – remote or on-site depending on team organization and tasks
- 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.

#LI-DNP

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About us

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 2024, Continental generated sales of €39.7 billion and currently employs around 190,000 people in 55 countries and markets.

With its premium portfolio in the car, truck, bus, two-wheel and specialty tire segment, the Tires group sector stands for innovative solutions in tire technology. Intelligent products and services related to tires and the promotion of sustainability complete the product portfolio. For specialist dealers and fleet management, Tires offers digital tire monitoring and tire management systems, in addition to other services, with the aim of keeping fleets mobile and increasing their efficiency. With its tires, Continental makes a significant contribution to safe, efficient and environmentally friendly mobility.