Software Developer Machine Learning & Data Science in R&D area (M/F/D)
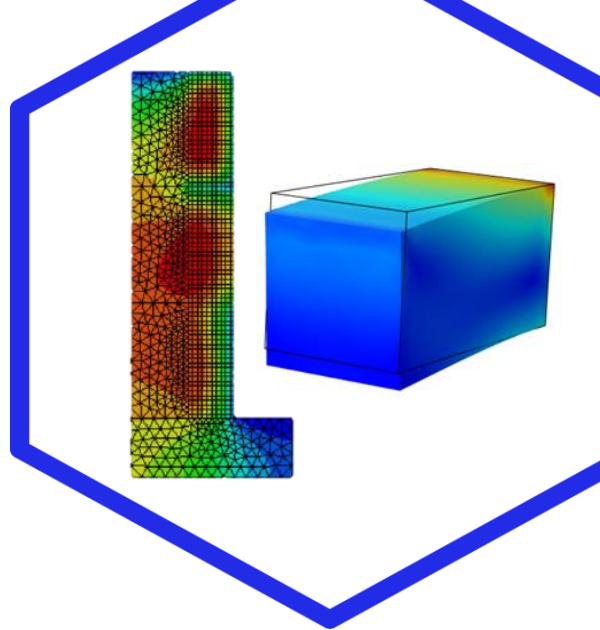

📍 Lahr/Schwarzwald

🏢 preML GmbH

🚀 Start: Immediately

🕐 Full-Time

⭐ Highlight: Possibility of external promotion (PhD)

We are looking for a person to work on technical development for a research project in the area of prediction of material developments from production and environmental data. The research project, which preML is conducting together with the Institute of Concrete Structures and Building Materials Materials Testing and Research Institute (KIT-IMB/MPA/CMM) of the Karlsruhe Institute of Technology (KIT), has a duration of two years, but the contract is offered for an unlimited period. Further we offer the possibility you are using this project to start your PhD in this area.

YOUR MISSION AT PREML

- Find need for product development for quality management in pre-cast concrete industry
- Development of machine learning workflow to predict material properties using composition relationships
- Development of Physics informed machine learning models as surrogate to more computationally expensive thermo-hydro-chemo-mechanical(THCM) finite element Models
- Close cooperation with the responsible person of the institute (KIT-IMB/MPA/CMM)

WHAT YOU BRING ALONG

- ✓ Completed studies in computer science, business informatics, material informatics, or comparable qualification
- ✓ Python
- ✓ Experience in the development of machine learning models in an industrial environment
- ✓ Desire to work in a start-up and to help shape it
- ✓ Interest in industrial automation and innovative projects
- ✓ Interest in scientific work and transfer into practice

ABOUT US

We are an AI Startup from the Black Forest and develop automatic visual quality inspection systems with artificial intelligence (AI). With our strong computer science background, we have created a software environment from which we can quickly design customized inspection solutions. The solution can be used in various industries, but we are focusing on building products, such as concrete elements. The research project fits into the strategy to further apply ML to improve quality in our target industry.

YOUR TEAM-LEAD

Jonas Fehrenbach

Co-Founder & Operational Lead

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"If you have any questions, you can always contact me and we can have a quick phone/video call"

PREML