Job description - PhD student – expression of interest

The Regional Center of Excellence for Robotic Technology (CRTA) and the BMW Group are looking for motivated PhD candidates for the newly established cooperation project. As part of the cooperation project, the latest generation of AI models for the monitoring of the battery cell production process will be developed. Since the work will take place at two locations in the CRTA and BMW Group in Munich, the willingness to work in Munich for long-term assignments and to learn the German language is required. The PhD student is planned to sign a work contract with UNIZAG FSB for a period of three years.

What can you expect?

- You are responsible for various analytical methods in the area of artificial intelligence
- You will independently work on a doctoral thesis on the subject AI modelling in the battery cell production
- You interpret and evaluate the associated analysis results and represent or present them in interdisciplinary teams and to process partners
- You will accompany the development of methods from basic research to application in the battery cell production

What are you bringing with you?

- Experience in machine learning and programming
- Knowledge of SQL, databases, and Python is an advantage
- Enduring curiosity and eager to learn
- Conscientiousness and attention to detail
- Organizational and time-management skills
- Ability and willingness to collaborate
- Intrinsic motivation and self-discipline

Application contact and expression of interest: assist. prof. Marko Švaco
E-mail: marko.svaco@unizg.fsb.hr

Job description - Student internship

The Regional Center of Excellence for Robotic Technology (CRTA) and the BMW Group are looking for motivated students and PhD candidates for the newly established cooperation project. As part of the cooperation project, the latest generation of AI models for production monitoring will be developed. Since the work will take place at two locations at FSB CRTA and BMW Group in Munich, the willingness to work in Munich for long-term assignments and to learn the German language is required.

What can you expect?

- Creating of OPC UA data models
- Preparation of data for data analysis and visualization
- Creating of dashboards
- Analysis of process and quality data and development of AI prediction models

What are you bringing with you?

- Willingness to move to Munich for a six-month payed internship and motivation to learn German
- First practical experience in machine learning and Python
- Basic knowledge of SQL and databases is an advantage
- Enduring curiosity and eager to learn
- Conscientiousness and attention to detail
- Organizational and time-management skills
- Ability and willingness to collaborate
- Intrinsic motivation and self-discipline

Application contact for student internship: Mr. Ivan Rumenović.
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