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Student job

## AI and algorithms for data evaluation and process monitoring

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Incorrect positioning during forming can be detected via force sensors attached to the die. Whether certain signals indicate different types of incorrect positioning is to be investigated. For this purpose, the curves of the force curves of the individual sensors are to be examined. The sensor positions and sensor combinations that allow the best predictions regarding the type and severity of the misalignment are to be determined.



### Your tasks

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Independent processing of the following main topics:

- Data evaluation and cleansing
- Preparation of data for AI models or rule-based decision and prediction models
- Testing different sensor combinations
- Evaluation and assessment of different sensor combinations with regard to prediction quality
- Visual presentation of the results
- Regular discussion of the results
- Generation of creative approaches for transferability to other geometries and error patterns

### Your profile

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You are studying one of the following subjects:

- Mechanical engineering
- Production engineering
- Industrial engineering
- Computer science

You are interested in programming, artificial intelligence or process monitoring.

You also have knowledge of programming with Python and AI.

Very good written and spoken German is a prerequisite.

## We offer

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- appropriate remuneration
- independent work
- flexible working hours
- well-equipped workplaces
- home office by arrangement
- test realisation
- possibly long-term co-operation



Bitte sende deine aussagekräftige Bewerbung in einer einzigen PDF-Datei an [jobs@iph-hannover.de](mailto:jobs@iph-hannover.de).

Die Bewerbung muss Anschreiben, Lebenslauf sowie Prüfungsleistungen des Studiums / Zeugnisse enthalten.

## Contact

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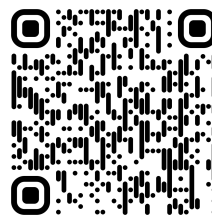
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