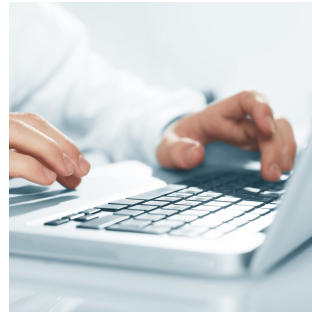


Master thesis, Bachelor thesis, Project thesis

Development of an algorithm for the detection of similar disruptions

XXL products are often manufactured in single and small batches and their assembly usually takes the form of a construction site. This often results in disruptions and deviations from the assembly process, and repetitive disruptions are not uncommon. In reality, however, faults are rarely processed systematically, as most existing approaches are too complicated and, above all, too time-consuming for this purpose. This is why even for disruptions that occur over and over again in a similar manner a new solution is being developed every time. This costs companies a lot of time and money.

By using an algorithm for similarity detection of assembly disruptions, this effort can be drastically reduced and the disruption management can be made much more efficient.



Your tasks

During your work, you will develop an algorithm that is able to compare a new disruption with all other disruptions from a database and then list the most similar disruptions.

Your task will be to:

- conduct thorough literature research on the required topics
- find and compare existing approaches for such algorithms and select the most suitable one
- adapt the algorithm to perform the tasks described above

Your profile

You are studying one of the following subjects:

- Mechanical Engineering
- Industrial engineering
- Production and logistics
- or similar

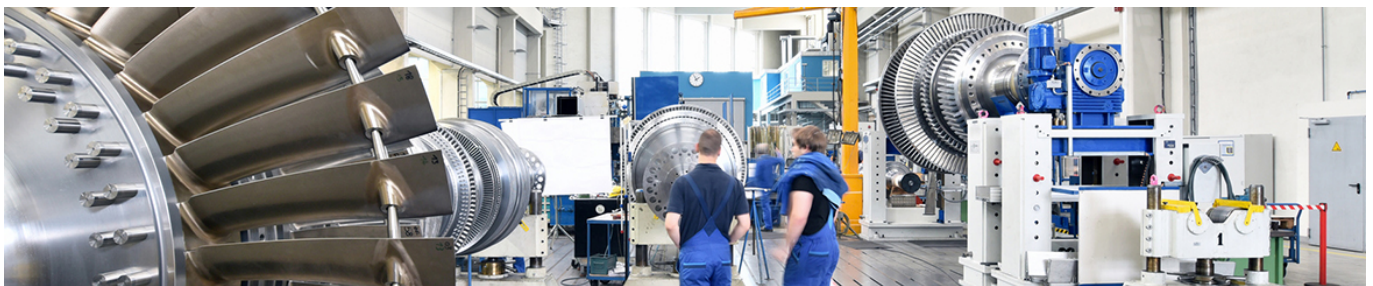
You are interested in digitalization and the development of algorithms.

In addition, you ideally have knowledge in the development of algorithms and software development.

Very good German and/or English skills, both written and spoken, are necessary for the job.

We offer

- independent work
- flexible working hours
- well-equipped workstations
- home office by arrangement
- long-term cooperation is possible



Bitte sende deine aussagekräftige Bewerbung in einer einzigen PDF-Datei an jobs@iph-hannover.de.

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

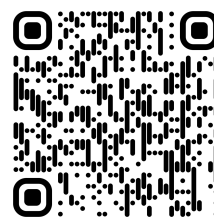
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