

# Internship Data Analysis in Semiconductor Manufacturing

## Description

## Company Description

**At Bosch, we shape the future by inventing high-quality technologies and services that spark enthusiasm and enrich people's lives. Our promise to our associates is rock-solid: we grow together, we enjoy our work, and we inspire each other. Join in and feel the difference.**

The Robert Bosch Semiconductor Manufacturing Dresden GmbH is looking forward to your application!

## Job Description

- You are enthusiastic about the challenges of intelligent data analysis, from visualization and statistics to machine learning? During your internship, you will get familiar with the analysis requirements of a fully automated semiconductor production facility and focus in particular on the application of transformer models (machine learning) for the classification of texts, data and images.
- Working in a team consisting of analysts, data scientists and automation experts, you will gain insight into various aspects of data usage in semiconductor manufacturing and assist with day-to-day tasks.
- You will work with big data technologies and modern analysis software, develop your own analyses and contribute to the documentation and user support of this software.

## Qualifications

- **Education:** Master studies in the field of Mathematics, Statistics, Computer Science, Physics, Automation Technology, Mechanical Engineering or Comparable
- **Experience and Knowledge:** strong understanding of data, statistics and machine learning; good programming skills in a scripting language (e.g., Python) and experience with common ML libraries such as [PyTorch](#) or TensorFlow; basic understanding of transformer models in the field of machine learning is an advantage
- **Personality and Working Practice:** a team player who is flexible, motivated, resilient, a good communicator, a problem solver, independent, result-oriented and reliable
- **Languages:** very good written and spoken English, German is a plus

## Additional Information

**Start:** from October 2024

**Duration:** 6 months

Requirement for this internship is the enrollment at university. Please attach your CV, transcript of records, enrollment certificate, examination regulations and if indicated a valid work and residence permit.

## Hiring organization

Candidate-1st

## Employment Type

Full-time

## Beginning of employment

asap

## Job Location

Dresden, Germany

## Working Hours

40

## Base Salary

euro Competitive pay

## Date posted

June 1, 2024

Diversity and inclusion are not just trends for us but are firmly anchored in our corporate culture. Therefore, we welcome all applications, regardless of gender, age, disability, religion, ethnic origin or sexual identity.

**Need further information about the job?**

Alexander von Wedelstedt (Functional Department)

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#LI-DNI

**How the process will look like**

Your teammates will gather all requirements within our organization. Then, once priority has been discussed, you will decide as a team on the best solutions and architecture to meet these needs. In continuous increments and continuous communication between the team and stakeholders, you're part of making data play an even more important (and understood) part withing Brand New Day.

**Job Benefits**

Competitive pay