Software Engineer with Data Science Background (m/f/d)

IMS Nanofabrication

Our products require high-performing and optimized software, which continuously computes and streams large quantities of live data on a distributed computing cluster. You will be contributing to testing and qualifying the performance of this software in a dynamic and agile development environment.

Responsibilities:

- Developing and executing test suits for HPC software
- Data analysis and data-visualization for test results
- Visual data exploration and bottleneck analysis
- Design interfaces, data structures and data pipelines for tracking KPIs of the in-house HPC software in collaboration with the other HPC software developers and testers
- Design of robust algorithms for data analysis and anomaly detection
- Dimensionality reduction for reliable performance predictions of a high-dimensional input space
- Develop automated benchmark experiments
- Establish quality standards for standardized reporting for the test results
- Presentation and communication of bench-marking results and performance models to the stakeholders

Qualifications/Requirements:

- Experience in software development in Python
- Knowledge in Python libraries such as numpy, scipy, pandas, plotly, Dask, scikit.learn, keras
- Solid background in testing and/or data analysis (preferably PhD/MSc in mathematics/statistics/computer science or a BSc degree with a proven track record industry experience related to testing or data science)
- Development in Linux environments
- Excellent communication skills for communicating results to technical audiences
- Familiarity with team programming methods like code review, version control and bug-tracker

IMS Nanofabrication GmbH is an Austrian high-tech company with headquarters in Brunn am Gebirge and branches in Vienna, Taiwan, South Korea and the USA. We are the world's leading supplier of semiconductor technology in the field of multi-beam mask writing. Our mask writing technology makes a significant contribution to the global semiconductor industry, enabling the manufacturing of the most advanced chips used in high-performance mobile phones, PCs and data centers.

We write the future.

- Good command of spoken and written English
- Data visualization and experience with designing data-analysis dashboards (e.g. Grafana, Dash, D3.js)
- Experience with databases and time-series data (e.g. MongoDB, SQL, Elastic, InfluxDB, Prometheus)
- Parallel computing architectures (e.g. multicore systems, GPGPU, Infiniband)

We offer:
- Growing High-Tech Company with headquarter in Austria and international branches (Taiwan, Korea, USA)
- Top equipped workplace (modern office, laptop, height adjustable desk, very good company restaurant).
- A culture welcoming high engagement
- Interesting and responsible job in a high-tech clean room laboratory environment
- A motivated team with a flat hierarchy and short lines of communication
- An annual gross salary starting from EUR 50.000 depending on your qualification and professional experience

If you are looking for a demanding and challenging position in a growing high tech company, we look forward to receiving your application, which you can load up online on Careers at www.ims.co.at.

We write the future.