Intern – Data Science

Description

We at Yara are part of a global network, collaborating to profitably and responsibly solve some of the world's key challenges – resource scarcity, food insecurity and environmental change.

About the Unit

Yara aims to grow nature positive food future and is leading the development of sustainable agriculture and digital tools to contribute to solving global agricultural challenges. We have a worldwide presence with sales teams in ~150 countries and around 17,000 employees.

Yara Farming Solutions in Europe will lead the transformation towards more sustainable and efficient food production, by innovating our offering and the way we work.

We are seeking a motivated and talented Data Science Intern to join our team for a 6-month internship opportunity. This position is ideal for individuals pursuing degrees in Computer Science, Data Analytics, or related fields, who are required to fulfill a mandatory internship as part of their academic curriculum.

Responsibilities

The selected candidate will be involved in a project focused on anomaly detection of mechanical production assets. As part of this project, the intern will work on expanding our in-house anomaly detection suite to incorporate machine learning anomaly detection models, including one-class Support Vector Machines (SVM), Isolation Forest, and auto-encoders.

- Research and understand various machine learning anomaly detection techniques.
- Collaborate with the data science team to implement and fine-tune machine learning models within our existing anomaly detection suite.
- Analyze time-series data from mechanical production assets to identify anomalies and develop solutions for predictive maintenance.
- Assist in the evaluation and optimization of machine learning models for real-world application in a production environment.
- Document and present findings and progress reports to the team and stakeholders.

Profile

- Currently enrolled in a Bachelor's (at least 4. Semester) or Master's program in Computer Science, Data Analytics, or a related field.
- Familiarity with machine learning anomaly detection techniques such as one-class SVM, Isolation Forest, and auto-encoders.
- Strong programming skills in Python and experience with relevant libraries/frameworks (e.g., scikit-learn, TensorFlow, PyTorch).

Hiring organization
Candidate-1st

Employment Type
Full-time

Beginning of employment
asap

Job Location
Berlin, BE, DE

Working Hours
40

Base Salary
euro USD 30K - 56K *

Date posted
May 14, 2024

- Proficiency in handling and analyzing time-series data is highly desirable.
- Excellent problem-solving skills and ability to work independently as well as part of a team.
- Strong communication skills and ability to effectively present technical concepts to non-technical stakeholders.

Additional Information

We can only offer the internship as a 6-month compulsory internship. Please state the desired period in your application and send us your certificate of enrolment.

Contact details

Katharina Berse (HR Advisor)

Knowledge grows through differences
Yara is committed to creating a diverse and inclusive environment and is proud to be an equal opportunity employer. We believe that creating a diverse and inclusive work environment is not only the right thing, but also the smart thing to do. To deliver on this, Yara has firmly anchored Diversity, Equity & Inclusion (DE&I) in our business strategy and has more than 400 employees worldwide involved in D&I ambassadors networks.

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

 USD 30K – 56K *