



Machine Learning Intern

(f/m/d, 40 h/week, >= 3 months, part-remote)

We are looking for extraordinarily motivated and talented students to join our team developing professional software products that apply machine learning techniques to industrial use-cases.

Our vision: Democratize machine learning in production to drive productivity & sustainability.

Who we are

Having started as a spin-off of the WZL of the RWTH Aachen University in 2018, we are now a quickly growing scale-up with close connections to industry customers and science partners. In practice, IconPro supports manufacturing companies in the digitization of their production and develops software for the industrial application of artificial intelligence in individual projects and as software-as-a-service. IconPro focuses on the application areas “predictive maintenance” of

production units “predictive quality and process optimization” for production lines as well as “machine vision” for automated optical quality control.

Feel free to check out our website www.iconpro.com or demo videos of our products on YouTube:

[IconPro AutoML for Predictive Quality & Process Optimization](#)

[IconPro Apollo for Predictive Maintenance of Production Units](#)

Your Tasks

As machine learning intern, you support the software development of the back-end of one of our products with a particular but non-exclusive focus on algorithms for data pre-processing, model training, model explanation or validation. Other activities might include microservice implementation, orchestration and parallelization, API development, unit, integration and scalability testing as well as database development or cloud services configuration.

As integrated part of our team, you work with us based on an agile and structured project management including daily and bi-weekly SCRUM meetings.

You should bring an attitude to tackle problems hands-on and work together with a team towards finding the best solutions for diverse challenges. You care about code quality, software design and understand the importance of code reviews. Your contribution is important for us: Expect to get involved from the first day!

What you should bring to the table

- Studying a STEM subject incl. programming and machine learning courses
- Over-average grades
- Practical programming skills in Python
- Basic theoretical knowledge and practical skills in machine learning
- You are familiar with Git
- Open-mindedness, learning-by-doing and 100 % motivation

Bonus points for experience with

- Databases
- Docker, Kubernetes
- OpenAPI
- Parquet
- RabbitMQ / AsyncAPI
- Apache Spark, Apache Drill
- MLFlow
- SHAP / CXPlain
- DevOps, CI/CD Pipelines

What we offer

- Remote / home work possibility
- A brand-new office near Aachen city
- A highly motivated international team
- Team events and flexible working hours
- A steep learning curve, gaining experience in industrial projects
- Coffee, sweets, seating bags, Nintendo Switch and more fun stuff

Are you interested and bring the basics to the table? We look forward to receiving your application via mail to info@iconpro.com.