The Research Center Pharmaceutical Engineering GmbH (RCPE) is a global leader in pharmaceutical engineering sciences. We help our partners create and manufacture advanced medicines for patients worldwide through optimizing products and processes.

For our team / area Process and Manufacturing Science
we are looking for an active, highly qualified (m/f/x)

MACHINE LEARNING SCIENTIST (PhD)
35-40 hrs per week

Implementation and Development of AI and Data Science Solutions for Pharmaceutical Processes
Ref.No SK101

Duties and responsibilities

- Be involved in on-going tasks for funded projects evolving around self-supervised artificial intelligence
- Support the development of machine learning components (data analysis, predictive models, image analysis) for pharmaceutical processes (e.g. model electrochemical reactions, continuous tableting,…)
- Independently develop machine learning solutions
- Publish research results in reputed journals
- Implement interfaces between components via communication protocols such as REST-API, gRPC, OPC-UA, etc.
- Design and implement simple user interfaces for prototypes used for demonstrations
- Support work on project reports and deliverables

Requirements

- An MSc degree in Computer Science or Mathematics with strong Computer Science focus
- Advanced knowledge of Python including machine learning
- Knowledge of C++ and CUDA programming an advantage
- Very good mathematical knowledge (e.g. multivariate calculus, statistics,…)
- Basic knowledge of communication prototcols (e.g. REST-API, gRPC) and their implementation
- Knowledge of operating systems and networks
- Very good English language skills
- Interest in research and science in general

We offer

- A multidisciplinary and dynamic research environment and access to highly modern infrastructure on campus of Graz University of Technology
- Opportunities for career development at the academic and industrial level
- A competitive salary (€ 41.300,- gross/year for 40hrs/week)

We are looking forward to receiving your application by indicating the ref. no. and including a cover letter, your CV, publication track record and credentials.

Contact
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