

DataHow: Process Modeling Scientist

About the role

We are looking for a top scientist or engineer supporting our ongoing innovation work:

- Conduct independent research with deterministic, statistical and hybrid models for process data in close collaboration with industrial clients and our interdisciplinary team
- Develop, deploy and maintain process model implementations across multiple projects and software applications deployed in-house and on-premise with industrial clients

Requirements

- Excellent university degree (at least Master, preferably PhD) in computer science, (bio)informatics, (bio)statistics or chemical/bioengineering
- Expertise in modeling of time series data and/or dynamic process data
 - Would be a plus: Fundamental understanding of biopharmaceutical processes including unit operations such as cell cultures, chromatography, filtration and virus inactivation
 - Would be a plus: experience in numeric solutions of complex ODE and PDE systems and/or mathematical optimization problems
- Coding experience in Python
 - Would be a plus: Experience with the Python Data Science stack (Numpy, Pytorch, Pandas, Scikit-learn, etc.)
 - Would be a plus: Project experience using Git
- Would be a plus: experience in Julia programming
- Project experience in data analytics and machine learning
- Motivation to work in an internationally active start-up company
- Fluency in written and spoken English
- Responsibility, creativity, divergent thinking, enthusiasm
- Capability of team work and pro-active independent research work

We offer

- Integration into a young and thriving team of computationally experienced chemical engineers, biotechnologists and computer scientists ready to master the digitalization challenge in the process industry
- Hybrid working environment (home and office)
- Ability to visit other international offices and join customer visits.
- Possibility to spend 10% of your work hours into a work relevant personal research project
- Versatile working environment between cutting edge research and first-hand experience with international clients and on international conferences
- Sharp learning and responsibility curve in a challenging and interdisciplinary working environment
- Attractive working conditions and progression in our company

Application

Please send your application to info@datahow.ch