

Analysis Algorithms Wizard



Bachelor's Thesis

Our goal is the profound control of systems and processes in networked product and high performance automation, intelligent building automation and pre-analytical processes in the laboratory. With more than 150 employees and 30 years of experience, STIWA Software inspires customers from various industries worldwide.

Motivation

The state of the art is to be assisted by chat AI in solving tasks. In combination, technical specialists without deep knowledge of the details of the programming language and APIs can quickly achieve remarkable results.

The STIWA production data analysis tool is used to display production data. The raw data is transformed into analysis views (cubes). Various facts, e.g. KPIs and dimensions, are provided in these cubes, which can then be displayed using the flexible analysis front-end. The semantics of the data available in the standard (raw data, KPIs) are well defined. If the information provided is not sufficient, new customer or project specific cubes can be created from the existing raw data and cubes. For this purpose, the product provides a programming interface that can be used to prepare more complex data in Java or Python (Compute).

Targets

- Support the creator of the compute scripts:
- Formulation of corresponding algorithms in Python/Java
- Usage of external APIs and in particular usage of the API to access existing raw and aggregated data in the STIWA product.

Tasks

- For this purpose, an existing open source model will be used that has the ability to generate Python code for general problems.
- The semantics of the analysis API will also be trained on this model to support the generation of application code.



PLEASE CONTACT US

Send your complete application documents to:

STIWA Holding GmbH, Human Resources
Salzburger Straße 52, 4800 Attnang-Puchheim
Phone: +43 7674 603-250 | e-Mail: jobs@stiwa.com

Any questions? For information, please contact:

Phone: +43 7236 3351-9067,
e-Mail: markus.lamplmayr@stiwa.com