Fynn **Friedrichs**

DATA SCIENTIST · SOFTWARE QUALITY ENGINEER · HYPERAUTOMATION ENGINEER

Krefeld, Germany

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Motivation

Data-driven professional with growing expertise in data science, currently supporting ARAG SE in building reliable reporting pipelines, conducting economic analyses, and enabling data-informed decision-making. Strong foundation in Machine Learning and Power BI, with experience in automation and process optimization. I aim to specialize in data science to deliver scalable insights and measurable business value.

Experience

Working Student - Data Analytics   ARAG SE, Duesseldorf, Germany

DRIVING DATA-INFORMED DECISION-MAKING   June 2025 - Present

- Created and maintained Power BI reports to track, for example, estimated cost savings and their extrapolation into the future.
- Evaluated the economic viability of insurance processes (e.g., rate reductions, settlement lump sum effects) using descriptive statistics and Generalized Linear Models (GLMs) to drive data-informed strategy.
- Migrated Power BI transformation logic to Databricks, streamlining ETL processes and enhancing code maintainability.
- *Technologies: Python (e.g., pandas, NumPy, seaborn and Matplotlib), Git, Azure Databricks, SQL, Power BI, Powerpoint*

Working Student - Quality Assurance   TOI TOI & DIXI Group GmbH, Ratingen, Germany

ENSURED SOFTWARE QUALITY THROUGH AUTOMATION AND ISSUE RESOLUTION.   August 2024 - May 2025

- Managed and resolved Jira tickets, ensuring thorough quality assurance.
- Developed automated test scripts using Robot Framework, integrated into CI/CD pipelines.
- Collaboratively refactored the entire codebase to align with newly defined best practices, improving maintainability.
- *Technologies: Jira, SQL, Git, Docker, Python, Robot Framework, Selenium.*

Working Student - Web Development   TOI TOI & DIXI Group GmbH, Ratingen, Germany

FOCUSED ON WEB DEVELOPMENT AND BUG RESOLUTION.   January 2024 - July 2024

- *Technologies: PHP, Git, Jira, JavaScript, Vue.js, SQL.*

Working Student - Hyperautomation   TOI TOI & DIXI Group GmbH, Ratingen, Germany

IMPLEMENTED AUTOMATION PROCESSES AND OPTIMIZED IT WORKFLOWS.   July 2023 - December 2023

- Designed and maintained a resource assessment pipeline for newly acquired companies.
- Developed an application to collect global HR, fleet, and financial reports.
- Streamlined data access for sales teams using postal code-based queries.
- *Technologies: Power Automate, SharePoint, SQL*

Skills

Languages	**Python**, **SQL**, Java, Rust
Spoken Languages	**English**, **German**
Automation	**Power Automate**, **Robot Framework**, CI/CD, Docker
Technical Skills	**Git**, **LaTeX**, **Jira**, SharePoint, MS Office, Typst

Education

University of Muenster   Muenster, Germany

M.SC. IN INFORMATION SYSTEMS   October 2023 - June 2026

- Specialization Tracks: Information Systems Development and **Data Science**

University of Muenster   Muenster, Germany

B.SC. IN INFORMATION SYSTEMS (GER: WIRTSCHAFTSINFORMATIK)   October 2019 - March 2023

- Practical Bachelor Thesis: Integration of Frontend Testing into a CI/CD Pipeline; Grade: 1.0 (Highest Distinction).

Additional Information

- Passionate about: Literature, Free & Open-Source Software, Linux, Bouldering