

# YVONNE HEGENBARTH

Data Analyst, M.Sc.

Don't be afraid of failure. [...] What you have to do is get up immediately and learn from your mistakes.

Simone Menne

## PROFESSIONAL EXPERIENCE

### 2022 - TODAY

2 Jahre

### FREELANCER

Nola Ventures

Today I am happy to offer my expertise with Big Data & Analytics to all my clients as a freelancer.

### 2021 - 2022

1 Jahre

### PROFESSIONAL SERVICES

Software AG

Since this time, I gained much experience about the SCRUM development lifecycle as well as creating solutions for customers which are running in production. I listened to customer business needs, and advised them to gain more insights about their IoT Data.

### 2018 - 2021

3 Jahre

### SOLUTION ENGINEER

Software AG

Being part of the pre-sales IoT & Analytics team, I've learned a lot about the sales lifecycle, how to demonstrate and to work out the value proposition for a customer when using our product. Part of my daily business was to understand the business of the customers! I listened to their work processes, asked about potential pain-points, and developed a solution to make their business even more successful.



## CONTACT

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- [Yvonne Hegenbarth](https://www.linkedin.com/in/YvonneHegenbarth)
- [github.com/yhegen](https://github.com/yhegen)

## LANGUAGE

German - native  
English - fluent

## EDUCATION

**Master of Computer Science**  
**Hochschule Darmstadt**  
2016 - 2018

**Bachelor of Computer Science**  
**Hochschule Darmstadt**  
2012 - 2013

## SKILLS

### Data Processing & Analysis

Python, SQL, Apama, Apache Spark, PowerBi, Excel, KNIME

### Machine Learning

Classification, Clustering, Time Series Forecast

### Web Developing

Angular, TypeScript, JavaScript

### IoT Expertise

Working with sensors, data streams, and protocols (e.g., MQTT, REST APIs), Industry 4.0

## PUBLICATIONS

18th Symposium of "Database systems for Business, Technology and Web

[Konzept und Implementierung eines echtzeitfähigen Model Management Systems](#)

2019

Published on the 10th ACM International Conference on Distributed and Event-Based Systems (DEBS)

[Proactive disruptionmanagement system: How not to be surprised by upcoming situations](#)

2016

Organized by the University of Aalen on the Topic 'Industry 4.0'

[Unterstützung der Störungserkennung in der industriellen Fertigung durch eine echtzeitfähige Big Data-Plattform](#)

2016

## CERTIFICATIONS

coursera

**Google - Data Analytics**

(expected to be acquired by end of Q4)

## PROJECTS

### 2023 - Today

2 Jahre

### ROOFTOP MONITORING

IoT, Data Analyst & Frontend

Develop a solution for a client to monitor building rooftops. Predict and alert about potential water damages using real-time IoT sensor data.

### 2023 - 2024

1 Jahre

### HEALTHCARE DATA ENRICHMENT

Data Engineering

Responsibility of the correctness of medical data. Enrich the data from 3rd party sources. Cleaning and preparation of excel sheets. Data modification with SQL and Python using numpy and pandas.

### 2022

1 Monat

### GPX TRACKING ANALYSIS

Data Analysis

Applying statistical methods to a collection of GPX dataset and to visualize/highlight features. ([link](#))

### 2016 - 2018

2 Jahre

### ENERA

Data Analysis, streaming data

Model solutions for a climate-friendly, economical and reliable energy supply, but also to demonstrate them under real conditions ([link](#) & [publication](#))

### 2014 - 2016

2 Jahre

### BIGPRO

Industrie 4.0, machine learning

Develop an industry-independent Big Data platform based on algorithms for data pattern recognition that contributes to proactive fault management in production. ([link](#) & [publication](#))