

Kristof G. Herrmann

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Highly motivated **mathematician and developer** (IoT) with keen interest in complex problems. More than 2 years of experience in developing industrial software from shopfloor level to the cloud. Project management, requirements analysis, planning, testing and documentation.

"I want to further improve my project management skills, take on responsibility and be part of an innovative team that creates digital solutions with real added value."

WORK EXPERIENCE

- **Senseering GmbH**
Full Stack Software Engineer - Cologne
Developer of a decentralized data sharing platform in the spirit of GAIA-X. Technical consultant IoT solutions.
since April 2020
- **WZL der RWTH Aachen**
Working Student - Aachen
Developer of a decentralized data sharing platform in the spirit of GAIA-X with a focus on Data Science.
April 2019 - April 2020
- **PricewaterhouseCoopers GmbH**
Intern Business Intelligence - Düsseldorf
Development of a planning tool for the maintenance and repair of vehicles for a large German transport service provider.
October 2018 - Februar 2019
- **RWTH Aachen**
Tutor for higher mathematics - Aachen
October 2015 - September 2018

EDUCATION

- **M.Sc. Mathematics ø1.0**
Focus on partial differential equations. Field of application: computer science. Rheinisch-Westfälische Technische Hochschule Aachen
Autumn 2017 - Autumn 2019
- **B.Sc. Mathematics ø1.8**
Focus on measure theory. Field of application: computer science. Rheinisch-Westfälische Technische Hochschule Aachen
Autumn 2014 - Autumn 2017

AWARDS

- **Springorum-Denkmünze**
proRWTH - top 10% of each faculty
2020

SKILLS

- **Programming languages & Databases**
Nodejs, Vue, Python, MySQL, MongoDB, InfluxDB, Elasticsearch, Redis
- **Cloud & Technologies**
S3/Azure Blob Storage, EC2, CodeBuild, CodePipeline, CDN, ECS, ELK, Azure IoT Hub, Grafana, Docker, Portainer, Node Red, Github Actions, DynamoDB, AWS Cognito, KeyCloak, Auth0, IOTA, Nginx, httpd
- **Mathematics**
Partial differential equations, measure theory, numerical analysis, financial mathematics
- **Languages**
german, english

PROJECTS

- **spaicer** [spaicer.de]
Scalable adaptive production systems through AI-based resilience optimization - Project responsibility.
IoT, machine learning, AI
- **obsidian** [Senseering/obsidian]
A Nodejs based immutability layer for (industrial) data
Release pending
Nodejs, IOTA
- **MyDataEconomy** [mydataeconomy.com]
Decentralized IoT data sharing platform for sovereign data exchange.
GAIA-X, Nodejs, Docker, IOTA, InfluxDB
- **Duck** [arzelaascoii.github.io/UAVDocs]
Autonomous flying solar plane built from scratch.
UAV, Ardupilot, ROS, Docusaurus



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ArzelaAscoli



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