

FABIAN KOCHSIEK

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WORK EXPERIENCE

CGI Deutschland B.V. & Co. KG

AI Engineer, IT Consultant

Frankfurt Main, Germany

June 2024 – Present

- **EnBW AG, Competence Center AI – AI Engineer**

- * Software Engineer in the GenAI domain with Python and TypeScript
- * Developed a PoC for knowledge management using RAG, Python, Azure Functions, and LLMs to enhance information retrieval and organizational knowledge sharing
- * Co-developed an MVP AIHub (Backend-API with Next.js) to integrate multiple AI models via a Unified API and connect CustomGPTs
- * Contributed to a PoC using Obsidian (Electron App) for AI-driven knowledge management
- * Evaluated emerging AI technologies such as agent platforms (Parloa, Beam.ai, Azure AI Foundry, MS Copilot Studio), coding agents (Aider, GitHub Copilot Agent), and RAG/GraphRAG approaches
- * **Tools:** Python, TS/Html/CSS, Azure Plattform/DevOps, Azure Pipelines, Azure Functions, Static Web App, StorageAccount, CosmosDB, EntraID, Application Insights, Postman/Bruno, Bicep (IaC)

- **KfW – Project Management Office Representation**

- * Temporary PMO support, ensuring project continuity and stakeholder coordination

- **Internal Innovation Project – AI DocReport**

- * Contributed to the development of an internal CGI IP tool for summarizing hospital medical reports
- * **Tools:** Python, Azure, GitLab, PII, LLMs, Ollama

University of Wuerzburg

Tutor E-Business

Wuerzburg, Germany

Apr 2023 – Jul 2023

- Organized tutor lectures and supported students

Allianz AG

Internship, Risk Management Investments

Munich, Germany

May 2020 – Oct 2020

- Data preparation and analysis in the investment area
- Support with the implementation of an interface with Python as well as VBA

Baumann & Partners SA

Internship, Portfolio Management

Luxembourg, Luxembourg

Aug 2019 – Oct 2019

- Design and implementation of a VBA and Bloomberg API based tool
- Optimization of a Bloomberg API based MS-Excel application

VP-Bank & VP-Fund Solutions SA

Internship, Risk management and controlling

Luxembourg, Luxembourg

Jan 2019 – Mar 2019

- Calculation of key (credit) risk figures like VaR, Leverage, CRD IV/CRR, etc.
- Optimization of MS-Excel based tools

SKILLS

Programming: Python, JavaScript/TypeScript, HTML, CSS, BASH, VBA, R, SQL

Libraries: Scikit-Learn, PyTorch, NumPy, Pandas, Matplotlib, FastAPI, Next.js, Vue.js

Developer Tools: Azure, Azure DevOps, Git, GitHub Actions, Docker, AWS, Linux

Methodologies: Agile, Scrum, Functional Programming, DevOps, CI/CD, TDD, AI Pair Programming

Languages: German (Native), English (Professional)

EDUCATION

University of Wuerzburg
Information Systems (MSc)

Wuerzburg, Germany
Sep 2020 – Oct 2023

- Seminar papers: Data Mining, Reinforcement Learning
- Project seminar: Dashboard development with Vue.js and Flask-API (Python)
- Thesis: Continues solar park detection from satellite imagery with Deep Learning (Grade: 1.3)

Università di Siena
Semester Abroad

Siena, Italy
Feb 2022 – Jul 2022

University of Wuerzburg
Business and Economics (BSc)

Wuerzburg, Germany
Oct 2016 – Sep 2020

- Thesis: Robust optimization of a factor-based asset allocation (Grade: 1.0)

Vancouver Island University
Semester Abroad

Nanaimo, Canada
Sep 2018 – Dec 2018

PROJECTS

Continues solar park detection | [GitHub](#)

- Python project which leverages various libraries like PyTorch, Numpy and GeoPandas to continuously detect solar parks in freely available satellite imagery from Sentinel-2 via an API from ESA
- Detected solar parks are stored via FastAPI in a PostgreSQL database and the data can be inspected in a Vue.js based frontend. The tool runs autonomously with Docker on the AWS Cloud

Spotify Mining | [GitHub](#)

- Python project which analyses music tracks from Spotify regarding their popularity based on different features. It uses scikit-learn and XGBoost to test the performance of ML-Algorithms

CERTIFICATES

Azure AI Fundamentals (AI-900)

SAFe 6 Scrum Master

HOBBIES

Badminton, sailing, hiking