



Tony Meißner

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EDUCATION

Baden-Wuerttemberg Cooperative State University (DHBW)

Bachelor of Science in Computer Science

Grade: 1,6

Stuttgart, BW

Oct. 2022 – Sep. 2025

Chung Ang University

Semester Abroad with focus on Computer Science

GPA: 3,90 (Grade: 1,5)

Seoul, Gyeonggi

Mar. 2024 – Jun. 2024

Professional Secondary School Centre for Electrical Engineering

General university entrance certificate (Abitur) with dual vocational education

Grade: 2,3

Dresden, SN

Aug. 2017 – Jul. 2021

EXPERIENCE

Software Engineer

Mercedes-Benz Tech Innovation

Architecting agentic solutions with LangGraph & LangChain using multi-agent orchestration, RAG, and context engineering. Implementing agent workflows with state management, memory systems, tool-use, function calling, and ReAct/Plan-and-Execute architectures.

Stuttgart, BW

Oct. 2025 – Present

Corporate Student in Computer Science

Mercedes-Benz Tech Innovation

Developed LangGraph & LangChain agents with vision-language models for image grounding. Architected API solutions, analyzed data in Databricks, and built demand-forecasting models in Palantir Foundry. Expertise with Azure (Functions, Data Factory), Spark, machine learning, operations research, and microservices.

Stuttgart, BW

Oct. 2022 – Sep. 2025

Work & Travel

Farm Work

International work experience developing adaptability and cross-cultural communication skills.

USA, Australia

Oct. 2021 – Aug. 2022

Vocational training - IT Specialist/Software Development

Timeline Financials GmbH & Co. KG

Developed REST APIs for TimeLine financial and payroll accounting using ASP.NET Core, JWT, SQL with authentication and authorization. Applied microservices design patterns and contributed to ERP system with Powerscript and .Net extensions for machine connections and print services.

Dresden, SN

Aug. 2018 – Sep. 2021

Summer internship

Infineon Technologies AG

Participated in workshops on wafer production and semiconductor technology. Gained hands-on experience in embedded programming.

Dresden, SN

Aug. 2017 – Aug. 2017

LEADING EXPERIENCE

Product Owner - Financial Accounting System Backend

Timeline Financials GmbH & Co. KG

Managed the development of a new version of the financial and payroll accounting systems backend. Coordinated with cross-functional teams, gathering requirements and aligning technical and business objectives. Acted as the product owner, ensuring project milestones and quality standards were met.

Dresden, SN

Jan. 2021 – Sep. 2021

Product Owner - InterConnect

Mercedes-Benz Tech Innovation

Stuttgart, BW

Feb. 2023 – Present

Oversee the InterConnect project, an internal initiative aimed at enhancing team collaboration and project structure. Manage on-site meetings, coordinate with team members, and structure the project roadmap. Ensure effective communication between stakeholders and team members to drive project success.

PROJECTS

KDS Werkzeugbau | [Website](#)

Jun. 2026

Multilingual (DE/EN) corporate platform for KDS Werkzeugbau GmbH, a German mould manufacturer: architected a Next.js 16 + Tailwind v4 marketing site and staff admin CMS via next-intl over a Prisma/PostgreSQL data layer; fortified a Zod-validated NestJS REST API behind a JWT + CSRF dual-cookie scheme (HS512 access/refresh, 48-char hex CSRF), a BullMQ/Redis email worker (MJML/Nodemailer), and SeaweedFS media storage. Shipped via Docker Compose and Coolify with GitHub Actions builds to GHCR.

Restaurant Website | [Website](#)

Jul. 2025

Full-stack restaurant management platform (216,000+ lines, 1,500+ commits): architected a Prisma/PostgreSQL data layer; fortified a JWT/CSRF-hardened NestJS API (80+ endpoints) with HS512 tokens, bcrypt hashing and Zod validation; engineered a real-time reservation engine, staff/admin portal, event management and analytics dashboards in Next.js 16 and React (mobile-first, 65 Figma pages); built a 6-event BullMQ/Redis email worker (MJML/Nodemailer) with SeaweedFS media storage. Deployed a 6-service Docker-Compose ecosystem with dependency ordering and GitHub Actions CI/CD to GHCR via Coolify.

Tree Disk Analyzer | [GitHub](#) | [Website](#)

Mar. 2025

Engineered a complete pipeline for tree disk image analysis using Deep Learning and Machine Learning techniques. Trained two YOLOv11 models to detect tree disks and the pith. Distributed Python modules via PyPi and exposed functionalities with FAST API. Developed the mobile frontend using React Native, Expo, and NativeWind for Frontend Development; deployed with Docker and CI/CD on cloud platforms.

Paddock Monitoring | [GitHub](#) | [Website](#)

Nov. 2024

Implemented an IoT paddock monitoring solution using ESP32 microcontrollers for sensor data collection, transmitted via an Express API built with Software Engineering best practices. Programmed with PlatformIO and C++; developed the mobile application using React Native and Expo. Secured data in PostgreSQL with Prisma ORM and deployed with Docker and CI/CD on cloud platforms using microservices architecture.

Movie Actor Ranking | [GitHub](#) | [Website](#)

Jun. 2024

Developed an actor performance ranking system using movie dialogues from IMSDb and IMDb with NLP and Machine Learning techniques. Leveraged Python for web scraping (BeautifulSoup, Selenium) and implemented a vector space model using Operations Research algorithms. Deployed a React, TypeScript, Next.js frontend for Frontend Development and a FAST API backend on MS Azure with Docker and CI/CD on cloud platforms.

Information Retrieval System | [GitHub](#) | [Website](#)

Apr. 2024

Engineered a custom newspaper article retrieval system akin to Google Search using NLP techniques and Machine Learning in Python. Developed with a backend FAST API and Next.js frontend for Frontend Development hosted on MS Azure via Docker and CI/CD on cloud platforms with microservices architecture.

HOBBIES AND LANGUAGES

Hobbies: Fitness, Marathon, Volleyball, Coding, Hiking, Photography, Traveling, Cooking

Languages: German (Native), English (Fluent), French (Basic)

TECHNICAL SKILLS

Languages: Python, C, C++, C#, JavaScript, Java, SQL, R, Bash

Developer Tools: Git, Docker, VS Code, ERP, Terminal, CI/CD, Linux, MS Azure, Azure Data Factory, Databricks, Figma, Adobe Photoshop, Adobe Lightroom, Adobe Premiere Pro

Libraries/Frameworks: Node.js, React, Next.js, NextAuth, Vue.js, Angular, Prisma, Drizzle, PostgreSQL, Express, NestJS, FastAPI, Flask, Spring Boot, LibreTranslate, Three.js, .NET MAUI, Entity Framework, Apache Spark, NLP/GenAI, Machine Learning, Deep Learning, VLM