

Tony Meißner

+49 152 37290209 | tonymeissner70@gmail.com | tony-luke.de | [linkedin.com/in/tony-meissner](https://www.linkedin.com/in/tony-meissner) | github.com/tuke307

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

Stuttgart, BW

Oct. 2025 – present

- 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.

Corporate Student in Computer Science

Mercedes-Benz Tech Innovation

Stuttgart, BW

Oct. 2022 – Sep. 2025

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

Work & Travel

Farm Work

USA, Australia

Oct. 2021 – Aug. 2022

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

Vocational training - IT Specialist/Software Development

Timeline Financials GmbH & Co. KG

Dresden, SN

Aug. 2018 – Sep. 2021

- 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.

Summer internship

Infineon Technologies AG

Dresden, SN

Aug. 2017 – Aug. 2017

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

LEADING EXPERIENCE

Product Owner - Financial Accounting System Backend

Timeline Financials GmbH & Co. KG

Dresden, SN

Jan. 2021 – Sep. 2021

- 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.

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

- Restaurant Website** | [Website](#) Jul. 2025
- Enterprise-grade restaurant management: architected a high-throughput Prisma/PostgreSQL data layer; fortified a JWT/CSRF-hardened Express.js API (80+ endpoints); engineered fully automated email workflows, real-time reservation engine, staff portal and event management system using Frontend Development with Node.js and React; implemented contact-inquiry workflows and analytics dashboards; integrated MinIO S3 storage for media and menu assets. Orchestrated a Docker-Compose microservices ecosystem with GitHub Actions-driven CI/CD for seamless production rollouts on cloud platforms.
- 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.
- Portfolio Website** | [Website](#) Mar. 2025
- Designed a personal portfolio with Figma using Software Engineering principles. Implemented using TypeScript, React, and Next.js for server-side rendering and Frontend Development, with interactive 3D animations via Three.js. Styled with Tailwind CSS, ShadCN, and extended Framer Motion. Deployed on Coolify using 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 for Frontend Development. 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.
- Cancel Culture Impact** | [GitHub](#) Jun. 2024
- Analyzed the societal impact of cancel culture on public figures using Python with NLP and Machine Learning techniques. Aggregated data via APIs and web scraping (BeautifulSoup, Selenium); performed AI-driven sentiment analysis using GenAI and visualized results with Matplotlib and Seaborn. Integrated a self-hosted LibreTranslate API for translation and deployed on cloud platforms.
- Information Retrieval System** | [GitHub](#) | [Website](#) Apr. 2024
- Engineered a custom newspaper article retrieval system akin to Google Search using advanced NLP techniques and Machine Learning algorithms 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, 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