

Wolfgang Dafert

📍 Funchal, Portugal 📞 +351 925432947 ✉ w.dafert@gmail.com 🔗 LinkedIn 🐙 GitHub

Education

University of Vienna & University of Braunschweig

Master's Degree in Applied Psychology/Usability | Grade: 3.5

Germany

1996 – 2003

Work Experience

TSTPrep

AI Consultant

USA

2024 – Present

- Design and develop LLM-powered solutions for teacher support, automating tasks, and improving educational outcomes.
- Implemented prompt engineering and evaluation frameworks to enable rapid iteration, resulting in a 20% reduction in LLM development time.

Unison Media

CTO

New York, NY, USA

2021 – 2023

- Defined and implemented the technical vision and strategy for a media agency, leading the development and deployment of AI-driven solutions.
- Spearheaded adoption of machine learning models to optimize staff efficiency, automate business processes, and enhance content creation.
- Introduced prompt engineering and evaluation strategies for LLM-powered applications, leading to a 10% increase in content creation speed.

Sea.earth

CTO & Technical Lead

Glasgow, UK

2021 – 2022

- Led technical research and development for a blockchain-based environmental startup.
- Researched and delivered feasibility reports on utilizing smartphones for environmental data collection, resulting in a successful \$50,000 grant application.
- Designed an architecture for storing blockchain data in the InterPlanetary File System (IPFS) to enhance data security and accessibility.

Cekaso

Project Manager

Hamburg, Germany

2019 – 2021

- Managed a team of 5+ developers to build custom POS software solutions for a leading European furniture purchasing group.
- Played a key role in UI/UX design and client-facing project management, ensuring on-time and within-budget product delivery.

- Resulted in a 15% reduction in order processing time through software optimization.

Side Projects

AI-Powered Teacher Support Platform

- Developed an LLM-based tool that automates administrative and instructional tasks, significantly improving teacher efficiency.
- Utilized Python and ML libraries to implement advanced NLP techniques, enhancing user interaction with the platform.

Environmental Data Collection Using Blockchain

- Created a blockchain-based solution for secure environmental data collection, utilizing IPFS architecture for data storage.
- Implemented API development for seamless data integration and accessibility, enhancing data analysis capabilities.

Achievements

- **LLM Development Optimization:** Achieved a 20% reduction in LLM development time through optimized prompt engineering strategies, demonstrating expertise in machine learning and natural language processing.
- **Successful Grant Application:** Secured a \$50,000 grant for environmental data research at Sea.earth, showcasing strong analytical skills and the ability to communicate complex ideas effectively.

Certifications

- **DeepLearning.AI Certification:** Comprehensive course covering foundational deep learning concepts, including neural networks, CNNs, RNNs, and more.
- **AWS Machine Learning Specialty:** Certification validating expertise in implementing, deploying, and maintaining machine learning solutions on AWS.

Additional Skills

- Machine Learning with PyTorch
- Generative AI
- Blockchain Technology
- Web Development
- Full Stack Development
- Technical Leadership
- Agile Project Management
- Client Communication
- Environmental Data Analysis
- UI/UX Design
- SQL
- **Languages:** English (Fluent), German (Native), Portuguese (Beginner)

