

# Wolfgang Dafert

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

## Education

### University of Vienna & University of Braunschweig

Master's Degree (Mag.) 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

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### AI-Powered Teacher Support Platform

- Developed an LLM-based tool that automates administrative and instructional tasks to support teachers, enhancing productivity and engagement.
- Utilized Python and Django for backend development, implementing asynchronous programming with AsyncIO for improved performance.

### Environmental Data Collection Using Blockchain

- Created a blockchain-based solution for secure environmental data collection, leveraging IPFS architecture for data storage.
- Employed Python and AWS services to ensure scalability and reliability of the application.

## Achievements

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- **LLM Development Optimization:** Achieved a 20% reduction in LLM development time through optimized prompt engineering strategies.
- **Successful Grant Application:** Secured a \$50,000 grant for environmental data research at Sea.earth.

## Certifications

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- **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

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- Machine Learning with PyTorch
- Generative AI
- Blockchain Technology
- Web Development
- Full Stack Development
- Educational Technology
- Docker
- AWS
- React
- SQL
- JavaScript
- **Languages:** English (Fluent), German (Native), Portuguese (Beginner)

