

# Wolfgang Dafert

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## Education

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**University of Vienna & University of Braunschweig**  
*Master's Degree in Applied Psychology/Usability | Grade: 3.5*

**Germany**  
1996 – 2003

## Work Experience

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**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 – 2024

- 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.
- Utilized Python, Hugging Face, and FastAPI to implement machine learning models for real-time teacher support.

### Environmental Data Collection Using Blockchain

- Created a blockchain-based solution for secure environmental data collection, leveraging IPFS architecture.
- Implemented data processing and analysis techniques using Python and various machine learning libraries.

## 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
- Project Management
- Technical Leadership
- Client Communication
- Agile Project Management
- UI/UX Design
- Environmental Data Analysis
- **Languages:** English (Fluent), German (Native), Portuguese (Beginner)