Wolfgang Dafert

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Education

University of Vienna & University of Braunschweig   **Germany**
Master's Degree in Applied Psychology/Usability | Grade: 3.5   *1996 – 2003*

Work Experience

TSTPrep   **USA**
AI Consultant   *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   **New York, NY, USA**
CTO   *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   **Glasgow, UK**
CTO & Technical Lead   *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   **Hamburg, Germany**
Project Manager   *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 to support teachers.
- Utilized Python and natural language processing techniques to enhance user interaction and efficiency.

○ Environmental Data Collection Using Blockchain

- Created a blockchain-based solution for environmental data collection with secure data storage using IPFS architecture.
- Leveraged JavaScript and cloud technologies to ensure data integrity and accessibility.

Achievements

- **LLM Development Optimization:** Achieved a 20% reduction in LLM development time through optimized prompt engineering strategies, demonstrating proficiency in AI model development and efficiency in project execution.
- **Successful Grant Application:** Secured a $50,000 grant for environmental data research at Sea.earth, showcasing strong communication skills and the ability to collaborate effectively with cross-functional teams.

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 (3 years)
- Generative AI (2 years)
- Full Stack Development
- Project Management
- Agile Project Management
- Client Communication
- Data Analysis
- UI/UX Design
- Performance Monitoring
- Data Visualization
- Prompt Engineering
- **Languages:** English (Fluent), German (Native), Portuguese (Beginner)