



IDP Proposal: Develop DeepSeek for Data Science

Join us on a mission to develop state-of-the-art LLMs for Data Science
using the latest Reinforcement Learning techniques!

Who Are We Looking For?

- Experience with **LLM Fine-Tuning** using the **HuggingFace** ecosystem
- Ideally taken “**Intro to Deep Reinforcement Learning**” (or equivalent) course
- Proficiency in **Python** and **software engineering principles**
- A passion for developing the **BEST** performing models for **Data Analytics**, surpassing **OpenAI**, **Anthropic**, **Gemini** and **everyone** else
- Ability to experiment and iterate quickly on ideas and algorithms

What Do We Offer?

- Gain hands-on experience with the **latest LLM technologies**, including **COT/COD/TOT reasoning**, **test-time compute**, and **RL reward models**
- Access to **cutting-edge H100/H200 GPUs**
- Workspace at **TUM incubator** with **free coffee all day long**
- **Flexibility** to define project details in consultation with stakeholders
- **Bragging rights** to being the best
- Opportunity to **continue as a Werkstudent**, **full time position** or **Thesis project**
- Possibility of a research **Publication**

Possible Focus Avenues

- Develop **Reward Models** for **GRPO**, **RFT**, and similar algorithms
- Fine-tune **open-source LLMs** using **GRPO/RFT**
- Benchmark performance against **public dataset (dabstep)** (aim to beat **o3-mini ~17%** score)
- Improve **GRPO**, **PPO**, **KTO**, and other **RL techniques** for LLMs
- **Integrate agent architectures** to enhance reasoning performance
- Incorporate **inference time compute** to boost performance

Who Are We?

At **SuperPandas**, we are revolutionizing data analytics by democratizing data insights, eliminating tech barriers, and creating a **#NoTech** version of data science. We are supported by BMWK, TUM Incubator, TUM Venture Labs and multiple other entrepreneurship centers.

Think you have what it takes?

For this IDP, we are partnering with the professorship of Business Analytics and Intelligent Systems at TUM. Join us and shape the future of **AI-powered data analytics!** (Apply at jobs@superpandas.ai)