

Pendulum

GenAI Student Researcher

Pendulum Systems is searching for a highly motivated and detail oriented Student Researcher to join our team to build something the world has never seen.

As a Student Researcher at Pendulum, you will have the opportunity to push the boundaries of the field in AI and in supply chains, by collaborating on building, designing and deploying cutting-edge AI agents. You will work on problems that have a direct impact on saving lives and on enabling organizations to generate “more with less,” and thus optimize resources. The problems we address need a careful transformation of state-of-the-art machine learning techniques to ensure robust, reliable, and safe performance in the real-world.

Please get in touch with: vahid.rostami@pendulum.global

See also: <https://www.pendulum.global/careers>

What we will do together:

- Work on unique R&D questions that bring solutions to real-world problems
- Develop and fine-tuning LLMs for “agentic” tasks in supply chain optimization
- Work with the engineering team to help deploy research POCs into production
- Collaborate with a diverse and remote team that includes world renowned leaders in the field of AI and optimization.
- Document and publish your work at high-impact machine learning conferences

What you will need:

- Open-mindedness and curiosity; a “can do” attitude
- Solid communication skills and collaboration experience
- Being a master’s or PhD student in Machine Learning or a related discipline.
- Fierce hacker mentality & a demo or die mindset
- Proficiency in Python, especially common AI libraries, and GPU computing
- Strong understanding of CS, ML, and Statistics
- Problem-solving skills and the ability to think critically

Definite plus points:

- Publication or contributions to top-tier ML venues
- Proficiency in NLP and mathematical optimization
- Experience with finetuning and multi-agent LLMs

PS: Pendulum is co-founded by Prof. Suvrit Sra (CIT, TUM & EECS MIT)