Natural Language Processing (NLP) Engineer

Full time position in Zürich, Switzerland

Starting date: October 1st or by agreement

Please click here to submit your application.

About RepRisk

RepRisk is a pioneer in ESG (Environmental, Social and Governance) data science that leverages AI technology and human intelligence to systematically analyze public information and identify material ESG risks. For almost 15 years, our highly trained analysts around the globe have labelled millions of documents to form the world's largest dataset in 20 languages on ESG risks used for supervised machine learning. RepRisk's flagship product, the RepRisk ESG Risk Platform, is the most comprehensive due diligence database on business conduct , with coverage of 150,000+ public and private companies and 35,000+ infrastructure projects. For more than a decade, the world's leading financial institutions and corporations have trusted RepRisk for due diligence and risk management across their operations, business relationships, and investments. RepRisk is headquartered in Zurich and has offices in Berlin, Manila and Toronto.

Learn more at www.reprisk.com and follow on Twitter: www.twitter.com/reprisk.

Job Description

As an NLP Engineer you will be involved in all aspects of the machine learning application development process within RepRisk, including design, implementation and operation, in collaboration with our machine learning and software engineering teams. The role will primarily involve development and maintenance of data processing and language analysis solutions covering 20 languages based on the most extensive and high-quality labeled data set in the ESG domain. There will be frequent opportunities to work on a broad range of technologies from data processing and integration, machine learning and NLP and relational databases (SQL), to deployment and operation in a Linux environment.

You will benefit from working in an experienced and growing team that will offer support and the scope to greatly enhance your technical skills and knowledge and you will profit from an agile development ecosystem using state-of-the-art open-source technologies. We are looking for someone with exceptional NLP and software engineering skills who is keen to contribute ideas, thrives in a rapid development environment, and who can consistently bring innovative and workable solutions to problems.

The position reports to the Vice President of Research Technology.

Responsibilities

☐ Design, implement, deploy and maintain NLP and machine learning algorithms and infrastructure, from training to production in an enterprise-level application

☐ Create and maintain technical documentation

☐ Software testing and quality assurance

☐ Evaluate and identify new technologies

Candidate Profile

☐ Advanced degree in computer science, applied mathematics, statistics, or other relevant discipline with a strong foundation in ML/AI (or equivalent experience)

☐ Strong track record in NLP project design and implementation (publications, projects, etc), with a preference for state-of-the-art ML research (transformer architecture/autoregressive models)

☐ Skilled in managing large datasets and advanced experience in relevant ML libraries (ie spaCy, Hugging Face)

☐ Extensive software engineering experience (Python and SQL skills required, Java and Git preferred)

☐ Strong track record in enterprise-scale pipeline deployment in low latency, large scale production environments and CI/CD pipelines

☐ Understanding of experimental design, strong interest in real-world problems and analytical skills to come up with workable solutions

☐ A team player who loves to work in a highly diverse team and across functions and geographies

☐ Reliable, curious, open-minded and goal oriented personality, while striving to deliver operational excellence and superior quality

☐ Proficiency in written and verbal English required

What We Offer

☐ The world's largest and most comprehensive labelled dataset in 20 languages with respect to ESG risks of companies and infrastructure projects

☐ An entrepreneurial, international and young work environment

□ A shared mission to drive accountability and responsible behavior of companies, thus creating positive change

□ Long-term employment opportunity at a growing global company

Please note that for this opportunity we can only consider candidates with a valid work authorization.

Please click here **to submit your application.**