

Zikai (Kerry) Liu

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Dear Hiring Manager,

I am writing to express my interest in the Machine Learning Engineer - Data Pipeline position at Articul8. As a graduate from the University of California, Berkeley, with a Master's degree in Industrial Engineering & Operational Research, my academic and professional experiences align well with the posted job description.

My proficiency in Python and PyTorch, coupled with my strong knowledge of data processing pipelines, positions me well for this role. During my tenure as a Data Science Intern at VIP.com, I led the integration of DeepSeek RAG zero-shot classifier, achieving a remarkable 98% human-level accuracy in predicting return responsibilities. This work involved extensive use of multimodal embeddings and FAISS, demonstrating my ability to handle complex machine learning projects.

In another project, I engineered a distributed LightGBM forecasting model on AWS SageMaker, which significantly improved forecasting accuracy to a 5.2% MAPE. This not only facilitated better demand planning decisions but also enhanced our database integration process. These experiences have honed my problem-solving skills, and I am confident in my ability to build large-scale data processing pipelines.

Articul8's commitment to harnessing the power of machine learning to revolutionize communication resonates with my professional aspirations. I am particularly excited by the opportunity to contribute to the acquisition of high-quality data to train your domain-specific models.

In conclusion, I am eager to leverage my skills and experiences to contribute to the innovative work at Articul8. I am confident that I will be able to help build robust and efficient data pipelines, and I look forward to the possibility of discussing my application with you further.

Thank you for considering my application.

Sincerely,

Zikai (Kerry) Liu

