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Dear Hiring Manager,

I am writing to express my interest in the Machine Learning Engineer - Data Pipeline position at Articul8. With my strong background in machine learning and data pipeline development, I am confident that I can contribute significantly to your team.

Currently, as a Graduate Teaching Assistant at the University of California, Berkeley, I am responsible for facilitating advanced machine learning concepts using Python and PyTorch. Previously, as a Data Science Intern at VIP.com, I led the integration of the DeepSeek RAG zero-shot classifier, achieving human-level accuracy (98%) in predicting return responsibilities. This project enabled me to apply my skills in large-scale data processing pipelines and deep learning frameworks.

In another project, I engineered a distributed LightGBM forecasting model on AWS SageMaker, which improved forecasting accuracy to 5.2% MAPE. I am confident that this experience, coupled with my proficiency in Python and PyTorch will enable me to effectively build and manage data pipelines at Articul8.

What excites me about Articul8 is the opportunity to contribute to the creation of domain-specific models. I believe that my experience in text and vision machine learning projects, and my deep understanding of synthetic data generation make me a strong fit for this role.

In conclusion, I am eager to bring my strong problem-solving skills, attention to detail, and passion for machine learning to Articul8. I would love the opportunity to discuss how I can contribute to your team.

Thank you for considering my application.

Best regards,

Zikai Liu