

January 31, 2026

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Dear Hiring Team at Acme Analytics,

As a Master of Science in Statistical Practice candidate at Boston University, I am excited to apply for the Data Science Internship. My background combines rigorous statistical modeling with a consultancy-focused approach, directly aligning with Acme Analytics' mission to provide data-driven insights for Fortune 500 clients.

I have extensive experience partnering with clients to translate complex data into actionable strategies. Notably, I developed a MySQL database and Python automation system to streamline e-commerce analytics for over 1,000 products. To support executive decision-making, I built reproducible pipelines and visual dashboards using ggplot and matplotlib. My technical projects emphasize efficiency and precision; for instance, I implemented a Transformer with learnable kernels in PyTorch that reduced training time by 20%, and utilized Random Forests with PCA-reduced protein data to cut MSE by 50% when modeling Parkinson's progression.

Furthermore, I am adept at handling large-scale datasets and advanced causal methodologies. I cleaned and modeled 65,000 job records using R, employing multilevel regression to account for nested effects. I also conducted DAG-based causal analysis to isolate the mediated effects of education on salary and have utilized A/B testing to recommend specific data-driven actions.

I am eager to apply my technical proficiency in Python, R, and machine learning to help Acme Analytics deliver high-impact results. Thank you for your time and consideration.

Sincerely,

Shuxin Qian