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To Whom It May Concern:

I am writing to express my interest in the Quality/Test Analyst position. I received my Ph.D. in Astrophysics from UCLA in September, 2012, and am currently a data scientist working in Bend, Oregon for Gravity/AOL, an internet technology company that provides personalized content recommendations to users. In my transition from academia to the technology industry, I quickly learned the industry-specific tools and language, while simultaneously applying my research and problem-solving skills to help guide business decisions.

As a data scientist working in an agile software environment, I have experience with continuous integration tools (e.g., Jenkins), cloud services (e.g., Amazon Web Services), and many big data technologies (e.g., HDFS and Hadoop). I have developed a machine-learning algorithm that optimizes parameters used in Gravity's recommendation algorithms, which has resulted in increased click-through-rate. During the development of this package, I created mock data sets, wrote and ran automated test scripts, and developed a web application to visualize various metrics for data verification purposes. In a separate project, I also assisted in creating an anomaly detection system that delivers daily reports to the data team and that has helped identify several bugs in the company's software stack.

I believe that my strong research background and my experience working at a software company have given me the necessary skills I need to be a valuable Quality/Test Analyst. Please see my attached resume for more details regarding the experiences and skills I have to offer. Thank you for your time and consideration.

Sincerely,

Sylvana Yelda