LUCHAO QI

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Matthew (Matty) Dinh   March 5, 2021
Human Resources at San Francisco Bay Area

Dear Mr. Dinh

I would like to introduce myself as an applicant for the Blockchain Researcher position at Coinbase that was posted on the company website. As a highly motivated individual who thrives in multidisciplinary teams and is passionate about data science, I believe that my experience and skill set make me the ideal candidate for this position.

During my internship at Ekohealth, I engaged in extensive data processing, data visualization, and machine learning model development. As a Data Scientist, I demonstrated excellent communication skills, understanding of machine learning/deep learning algorithms, and excellence in Python / R programming. I also showed proficiency in ggplot2 / R shiny, knowledge of SQL, and excellence in applied statistics, skills that I applied daily while performing exceptionally well. One of my interesting projects has been Eko-CORE, an FDA-cleared digital stethoscope attachment device. I led a research project building the prototype of an audio-based dialysis fistula assessment algorithm to detect stenosis in the early stage, which would cost lots of money for patients with arteriovenous fistula (AVF). My machine learning models detected severe stenosis accurately (acc: 73.68%, AUC: 0.85) and thus reduced around $900 monthly cost for patients using our products. Ultimately, the project helps secure $295,881 in SBIR research funding for clinical data collection from the National Institutes of Health (NIH). This experience let me realize how data science could contribute to people's quality of life. I do believe my personality has also played a major role in my successful accomplishments in this field. I am extremely analytical, data-oriented, and calculated. Even in my personal life, I like to analyze the relevant data before making decisions that might optimize outcomes.

In closing, I believe my education and experience would ensure my success in this role, and I am enthusiastic to apply these skills within the cutting-edge technological environment I would expect to find at Coinbase. As a data analyst at your company, I would be able to apply my experience to provide data insights that help businesses make informed decisions and reduce risks. Thank you for taking the time to review my application; I look forward to an opportunity to learn more about the position and to further discuss my relevant skills and experience.

Sincerely,
Luchao Qi