

Dear HRT recruiting team,

I hope this letter finds you well. I am aware that my lack of academic credentials may be a concern, but I am confident that my strong background in Mathematics, Computer Science, research, and coding, combined with my resilience and determination, make me a compelling candidate for this position.

Over the past 3 years, I've learned from mistakes to have a very composed mind when facing and explaining programming and mathematical problems under pressure. My latest achievement of reaching Round 3 of Google Code Jam from having zero programming experience is a proof of that. In addition, I love Recurrent Neural Network. I invested in studying RNN in the past 2 years with 3 different experiences, and I hope to apply it to the hyper-dimension of financial data with it and learn to optimize the latency in training the model with experts at HRT.

I've tried my best to seek and perform at all valuable research opportunities given since my school has 0 CS research and Harvey Mudd doesn't allow non-Mudders to participate. I constantly developed a framework of a skill gained from each problem I needed to look at the answer key. For example, I've mastered converting recursive to iterative DP in any dimensions for any problems, and I'm very proficient in regression models, having trained and practiced with coding, math, and stats everyday.

I believe my journey from a challenging upbringing in a ghetto environment has instilled in me a deep-rooted determination and resilience. The absence of a mentor has fueled my drive to seek out learning opportunities independently and push through failures with unwavering grit. My background has taught me the value of perseverance and has cultivated in me a hunger for knowledge and self-improvement.

Having had the privilege to interact with Quantitative Researchers from invited dinners, I have come to understand that trading is a unique field that presents an unparalleled opportunity to apply core principles of Mathematics and Computer Science. The dynamism and meticulousness of fine-tuning trading models when receiving new information are aspects that truly intrigue me and align with my desire to continuously challenge myself and witness tangible progress in my work. I am convinced that trading provides a platform to not only cultivate my skills but also derive a sense of fulfillment and happiness from my achievements.

Thank you for considering my application. I would be honored to discuss how my passion for Mathematics, Computer Science, and trading, combined with my resilience and determination, can make me a valuable addition to the firm. I look forward to the opportunity of an interview to further elaborate on my qualifications and demonstrate my enthusiasm for this role.