August 24, 2021

Songhao Li

550 Memorial Drive

Cambridge, MA 02139

Dear Hudson River Trading:

I am a Master of Finance student from MIT writing to apply for your Algo Developer. HRT is well known for sophistication and innovation in algorithmic trading; I had the chance to be interviewed as an Algo Intern candidate last year and made it to the final round. This year, with more knowledge and experience, I am confident to apply again and target for the full-time position. I offer a proven track record of skills listed below that would allow me to make a positive impact on your team:

* **Quantitative research capacities:** past experiences of conducting multiple quantitative research projects from different perspectives (hedge fund, asset managers, sell-side research) build up my strong quant research insight and capacities. I am able to research and construct investible signals in a fast-paced, robust, and comprehensive way; I am also aware of the value of asking the right question, and I enjoy sharpening ideas with endeavor and enthusiasm.
* **Coding and programming proficiency:** Proficient in Python and C++, I can efficiently quantify financial problems and express in a coding environment. I am experienced in handling large datasets with scientific packages, coding up object-oriented programs tools to manage big project, and applying machine learning models to build investment strategies.
* **Analytical, mathematical, and statistical skills:** Finishing demanding mathematical and statistical courses with outstanding GPA in top-tier universities, my strong academic background has laid me a solid analytical foundation. After professional experiences with quantitative models and machine learning algorithms (deep learning/reinforcement learning/natural language processing), I am confident to learn, apply, and analyze sophisticated models quickly and skillfully in future endeavors.

I am confident that I would be a good fit for your team. I would humbly appreciate an interview to further discuss my passion and qualifications. Thank you for considering my application, and I look forward to hearing from you soon.

Sincerely,

Songhao Li