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Hiring Manager
Hudson River Trading

Dear Hiring Manager,

I’m writing to express interest in the Algorithm Developer (Quant Researcher) role for 2026 graduates. I’m excited by research that combines rigorous statistical thinking with high-performance engineering—building predictive models, testing execution and training methods, and running systems live while measuring performance daily to drive continuous improvement.

I bring a strong quantitative and engineering mindset with hands-on experience using Python for data analysis and experimentation (Pandas/NumPy-style workflows), and a compiled-language foundation in C++ concepts for performance-aware implementation. I’m comfortable working with large time-series datasets, designing repeatable experiments, and validating results with careful statistical reasoning and robust testing practices. I enjoy long-horizon problem solving—breaking down ambiguous questions, iterating from hypothesis to measurable signal, and tightening implementations until they are reliable enough for real production constraints.

What stands out about HRT is the culture of scientific rigor paired with world-class infrastructure. I’m eager to collaborate with researchers and engineers to improve model training and execution methods, contribute clean and maintainable code, and learn from feedback loops created by live trading and daily performance analysis. I also understand and will fully comply with your policy prohibiting AI tools during interviews and assessments unless explicitly instructed.

Thank you for your time and consideration. I’d welcome the opportunity to discuss how my analytical approach and engineering discipline can contribute to HRT’s research and trading systems.

Sincerely,

Tamir Krief

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