Filippos Dimitrios Ktistakis
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Dear Lind Capital team,

I am applying for the Data Scientist position in Aarhus. I recently completed an MSc in Computational Physics at the University of Copenhagen, where I worked with data analysis, optimization and machine learning on practical projects, and I am interested in using these skills in a quantitative trading environment.

In my MSc thesis I built a misalignment detection tool for neutron scattering simulations in McStas using optimization and machine learning. This involved designing data pipelines, cleaning and transforming complex data, training and validating models and making the workflow reproducible for others. As a Data Analyst at the University of the Aegean I processed environmental and microbiological time series data, focusing on data quality, structured Python analysis and clear reporting to domain experts.

Alongside my academic work I have built several applications end to end, including a crypto time series prediction app and commercial products such as a salon marketplace and a booking and management app with AI supported features. These projects gave me hands on experience with Python, NumPy, pandas, scikit learn and time series style modelling, as well as software engineering topics like REST APIs, backend services, authentication, Git based workflows and deployment using tools like Node.js and Docker. I am comfortable working with SQL backed data and with turning exploratory code into something that can run reliably.

I enjoy working across the full lifecycle from exploring data and designing features to implementing models and monitoring performance. I like building tools that others can reuse, and I care about data quality, reproducibility and validation, not just getting a good result once. I am particularly interested in time series modelling, forecasting and performance optimisation, and would like to apply this in a setting where models connect directly to trading decisions.

I do not have much prior experience in trading, but I am motivated to learn the domain and to work closely with quants, traders and engineers. Your focus on data driven trading, in house technology and small cross functional teams matches how I like to work.

Thank you for considering my application. I would be happy to discuss how my experience with Python, data analysis and building ML driven tools can contribute to your research and trading systems at Lind Capital.

Best regards,
Filippos Dimitrios Ktistakis