Dear HR,

Who I am?
I am a M.Sc. mathematician working as a teacher the last 10 years. Before two years I felt like my brains stagnating because of the small amount of knowledge I was engaged every day, compared with the knowledge encountered in my studies and especially in my postgraduate studies. So I decided to dust off my knowledge in statistics and without realising, after some months I found myself writing machine learning scripts in python (i have always been passionated with programming). Since then everyday I practice coding and machine learning techniques through internet lessons from sites like coursera, datacamp and udemy. Also worked for a small startup over a year. I desperately want to learn more about how data can be translated into actionable solutions for companies. Unfortunately I can't do that on my own that's why I am seeking for an internship/job, preferably in a reputable company.

Why me?
To make the long story short, I believe I can be valuable member of your team for three reasons. Firstly my mathematical background-education has enormously helped me to understand machine learning algorithms in depth as well as to hone my programming skills and be more punctual in problem solving strategies. Secondly my personality which played a major role in my ability to succeed in my previous career. I am extremely analytical and never give up until I come up with the solution of any problem. Thirdly my passion for mathematics-data-programming and life long learning.

What can I bring to the table?
A sample of my work can be found on my website in the signature, a website that i created on my own after some udemy courses I took, I am proud of my work especially for the neural network I coded from scratch, which can predict the loan defaults, even though doesn't perform better than the several neural network implementations that are available in R and python packages. In general I am trying to improve and enrich these models every day. Also I am aware about all that job that needs to be done with the data before using them to the models, collecting and cleaning data for some people may be a tedious work, but I know well that if the data is not good enough, even the best model would not perform as expected. That's my work and what I can bring to the table for now. If you think that is enough to make a start in your company I would be glad to have a nice talk about further details.

Epilogue
Please give me the opportunity to make a start in your company (even for a trial period or a home-project which can prove my competence) and you will never regret. I am so enthusiast about that role that I would be the first to come and the last to leave to the office in case I got hired. I look forward to hearing from you. Thanks for your time.

Sincerely,

Dionysios Kokkoris

https://dionysiskokkoris.github.io/