

DIOMIDES MAVROYIANNIS

Industrial
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To whom it may concern,

I am a fresh PHD Economist from Paris Dauphine applying for the job of quantitative analyst for Reason Magazine.

The teaching experience I have accumulated situates me as an ideal intermediary for bouncing back and forth between the technical and the intuitive around probability and microeconomics. During my studies, I have taught economists and mathematicians the courses "money and finance", "economics of uncertainty", "political economy" and "general equilibrium".

My research specialty is around decision theory of the firm. Specifically, how do firms choose between projects with different time characteristics. This kind of analysis includes both modelling stochastic processes and extensive use of Markov chains, skills that I have progressively developed from my undergraduate and master's in finance.

Technical skills I have acquired throughout the years revolve around modeling. The software I most proficient with due to daily use is Mathematica, where I specialize in finding analytic solutions to problems as well as visualizations. Throughout my years of study, I have also worked extensively with Python, aiming to have numerical results for specific models and LaTeX with Github where I learned to collaborate on team projects.

My professional experience is varied, from accounting, to credit risk to policy analysis for the EU to an economic consultant(current job). My current work involves me analyzing business plans of large companies and evaluating whether they are feasible and what proportion of the cost structure is eligible for public funding.

My technical formation includes: training at the London Mathematical Laboratory(Ergodicity economics); The Real World Risk Institute(modeling options and stochastic processes); and the New England Complex Systems Institute(Random Graphs and evolutionary modeling using Python)

My latest work experience has reinforced my libertarian leanings to the limit. The outright fraud and abuse I have witnessed has made me highly critical of state aid to firms and of the plethora of permits that are granted. Reason is probably the only outlet I read which aligns with my views on every single article (200+), and I would love to have my shot at participating to achieve it's goals.

My current salary is 3000 euros a month excluding significant contributions to pensions and healthcare(France). Without those contributions, I would expect around 5000 dollars a month, depending on location. For any further questions, you are welcome to contact me. Thank you for your time and consideration.

Sincerely,
Diomides Mavroyiannis