

DIOMIDES MAVROYIANNIS

**Industrial
Organization
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To whom it may concern,

I am a fresh PHD Economist from Paris Dauphine applying for the position of actuarial analyst for AON.

During my PHD I have accumulated teaching experience which 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 and Microeconomics. 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 polic analysis for the EU to an economic consultant(current job). My current work involves me analyzing buisness 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)

Thank you for your time and consideration.

Sincerely,
Diomides Mavroyiannis