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Danmarks Nationalbank
Application for data scientist position

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Greetings,

I am a physicist who just handed in my PhD in social data science at DTU, with a foreign research stay at MIT. My master's was done at the Niels Bohr Institute, from where I know Amalie Christensen and Rastin Matin, both of whom are currently at Nationalbanken. When your job listing for a data science position caught my attention, they were kind enough to invite me over and introduce me to your head of data science, Thais Jensen. Conversations with all three, as well as reading through a number of working papers on your web page, gave me an impression of Nationalbanken as an excellent workplace where I think and hope I could make a valuable addition.

In terms of quantitative skills, I have a lot of experience using python for large-scale data analysis with distributed computing (spark/hadoop). In addition, I've applied machine learning models to a range of topics, including developing novel methods for text analysis and sentiment prediction with neural networks and transfer learning. Much of my work has involved human-generated data from e.g. smartphones or social media, and so I have done a lot of scraping/crawling, as well as developing tools for APIs, databases, web services, and data visualization.

My research group at the Center for Social Data Science was highly interdisciplinary, which I believe gives me an advantage in terms of working and communicating with people from other backgrounds. I am quick to get to the heart of the matter in interdisciplinary collaborations, and I likewise take pride in being able to condense highly technical work into easily interpretable and actionable results.

In addition, I'm capable of working independently, and have previously designed, planned, and executed research projects from start to finish. For example, I conducted a behavioral economics experiment with the London School of Economics, in which I designed and planned the experiment, secured funding, built the online platform and database for data collection, hired participants, and analyzed results. In short, I like to take charge of plans and see them through, and I don't mind stepping outside my comfort zone and picking up the skills and tools necessary to make it happen.

The impression I have formed during my visits is one of a work environment where I would thrive and make valuable contributions. I would greatly appreciate the opportunity to elaborate in an interview.

Best regards,

Bjarke Mørch Mønsted