Rareș **Anghel-Stan**
Mathematician/Software Developer
Greifswalder Weg, Göttingen, Germany

 (+40) 769 159 135 | rares1928.de@gmail.com | www.rares-stan.ro

Sartorius   *January 20, 2025*

OTTO-BRENNER-STR. 20, 37079 GÖTTINGEN

Data Scientist – Focus Deep Learning (x|f|m) - Hybrid

Dear Hiring Manager,

About Me

In my previous role as a Software Developer at Diomedes-technologies, a high-frequency trading firm, I improved my skills in scientific programming and data analysis. I successfully parsed and analyzed large datasets using Python and SQL, developed statistical models to derive key metrics, and implemented automated processes to enhance data quality and efficiency.

I am currently engaged in a computer vision project where I leverage powerful neural networks to identify wood planks and match short and long boards bundled together.

My academic background includes a Ph.D. in Mathematics from the Mathematics Institute of the Romanian Academy, where I specialised in spectral and algebraic methods in the study of differential manifolds. I also attended several machine learning seminars where I understood the density of functions created by neural networks (with architectures that can have either only one hidden layer or multiple hidden layers) in the set of continuous functions.

Why Sartorius?

Last October, I participated in the *Young Entrepreneurs in Science Workshop* hosted by Sartorius. There, I had the opportunity to meet Kathrin Schroeder, who shared her experience transitioning from academia to industry. I was particularly impressed by her story, as I had been considering a similar switch. Moreover, I was struck by how seamless this transition was, largely due to Sartorius' working culture. This, coupled with the numerous internal growth opportunities offered by the company, has kept me closely following Sartorius' openings.

Why Me?

My research experience has equipped me with strong statistical and problem-solving skills, while my previous role as a Software Developer provided hands-on experience in implementing my ideas and solutions. I am proficient in reading, understanding, and adapting ideas from the latest research papers. In a field that evolves as rapidly as artificial intelligence, the ability to grasp and adapt to new breakthroughs is imperative. Additionally, my curiosity and passion for data analysis, combined with a fast-learning mindset, make me eager to tackle complex challenges in a high-performance environment.

Sincerely,
Rareș Anghel-Stan