Thi Ngoc Thu NGUYEN

Kohlberger 59, 52134 Herzogenrath - 017687389164 – ngocthubk@gmail.com

May 13, 2024

Tobias Müller

Sensing & Robotics department of the WZL, RWTH Aachen

Templergraben 55, 52062 Aachen

Dear Mr Müller

I am thankful for the chance to express my keen interest in the position Research Assistant in Data Science in production Virtualizing measurements and enabling predictive quality with machine learning in the production metaverse at WZL of RWTH Aachen, as advertised. With a solid foundation in data science, combined with experience in research and publication, along with completion of courses in IBM Data Science, I am enthusiastic about the opportunity to contribute to your team's cutting-edge projects and drive impactful insights through the goal-oriented researches.

My academic journey includes my master’s degree in software engineering at Thai-German Graduate school on the model of RWTH Aachen, where I delved deep into machine learning algorithms, and data visualization techniques. Additionally, with the goal to obtain the IBM Data Science Professional Certificate at the end of May, I am taking 10 online courses in IBM Data Science every day. Until now I have completed 7 courses of them, which have provided me with practical skills in data manipulation, exploratory data analysis, machine learning, and data visualization using tools like Python, Pandas, NumPy, Sklearn, Seaborn and Matplotlib.

During my internship and my master thesis at RWTH Aachen and Gremse-IT GmbH, I have honed my research skills through rigorous academic training and hands-on experience. My research focused on micro-computed tomography database. We assessed the accuracy of the computation of trabecular thickness and spacing by comparing results and correlating variables through data visualization, in order to examine the accuracy over the various voxel sizes. Through this work, I have gained insights into data and found out information from different aspects of the data and become very interested in data.

I am particularly drawn to the Research Assistant position at WZL of RWTH Aachen because of its reputation for fostering innovation and excellence in data science research. I am excited about the opportunity to collaborate with a diverse team of researchers and contribute to projects that push the boundaries of knowledge in this field. Moreover, I am eager to leverage my expertise in Data Science to harness the power of data and drive meaningful impact across various domains.

Enclosed is my resume, which provides additional information on my educational background, research experience, and technical skills. I am confident that my unique blend of academic knowledge, practical skills, and research acumen make me well-suited for the position at WZL . Thank you for considering my application. I look forward to the opportunity to discuss how I can contribute to your team's success.

Warm regards,

Thi Ngoc Thu Nguyen