August 19th, 2021

To Whom It May Concern,

I'm writing this letter on behalf of Guangyu Niu, who was one of my students in the "Machine Learning and Data Science" online education program. In the program, Guangyu Niu and his fellow students learned the basic theories of machine learning (ML) and data science, and also studied many advanced deep learning models. He studied topics including logistic regression, linear regression, neural networks, convolutional neural networks (CNN), Markov decision processes and reinforcement learning, recurrent neural networks (RNN), deep reinforcement learning, generative adversarial networks, and graph neural networks.

In the class, Guangyu Niu did homework on ML theory and wrote code to implement logistic regression, CNN, and RNN models. He read all of the recommended materials before class, and demonstrated mastery of the material via the homework assigned between classes. He also played an active role in a group project implementing an ML model for a real-world problem at the end of the program, writing an 8-page scientific paper on the results, and gave a presentation on the project's outcome to the rest of the class. The project covered ideation, model design, comparison with benchmark methods, and interpretation of results.

Overall, Guangyu Niu performed well in the program and clearly demonstrated the ability to quickly master new subjects and apply that mastery to practical problems.

Sincerely,

Pietro Liò
PROFESSOR
UNIVERSITY OF CAMBRIDGE

Baichuan Mo
ACADEMIC ADVISOR
PH.D. CANDIDATE, MIT