PROGRAM TRANSCRIPT

Student Name: Guangyu Niu

Gender: Male

Program Name: Machine Learning and Data Science Online Education Program

Time Period: 2021/07/01 - 2021/08/10

Comprehensive Evaluation:

Paritipation	Homework	Final Project	Bonus	Total Grade
10/10	38/40	42/50	5/5	95/100

Program desription:

This eight-week program provided an introduction to basic theories of machine learning (ML) and data science. It also covered many advanced models in the deep learning field. The program consisted of 13 lectures and 6 recitations. The topics included logistic regression, linear regression, neural networks, convolutional neural networks (CNN), Markov decision process and reinforcement learning, recurrent neural network (RNN), deep reinforcement learning, generative adversarial networks, and graph neural networks. During the program, students were asked to finish theoretical homework on ML theory and write codes to implement different ML models, such as logistic regression, CNN, and RNN. Students did group projects on implementation of ML models for solving real-world problems. The group project allowed students to propose ideas, design proper ML models, compare the proposed models with benchmark methods, and interpret the results. Students presented their projects to the class and finished an 8-page scientific paper based on their projects.