



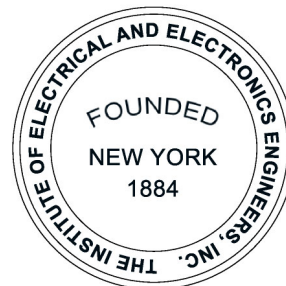
Certificate of Appreciation

This is to certify that

Omar Marzouk

*Volunteered as an Ambassador in the IEEEExtreme 16.0
programming competition that hosted +14,600 participants*

22nd October 2022



A blue ink signature of K. J. Ray Liu.

K. J. Ray Liu

IEEE President 2022