**Graded Discussion Topic 10**

I am posting this discussion topic early since we are at the end of our course.

Machine learning is a deep a broad topic. There are a great many methods and applications that cannot possibly be discussed in 3 quarters of the machine learning program. Further, machine learning continues to advance, with several significant developments nearly every year in nearly every specialty.

What areas of machine learning are you interested in exploring in depth? Why is are these topics of interest to you? What resources are you planning to use to learn about these topics and to stay current?

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For the next step I would like to explore Computer Vision more in depth, specifically when it comes to self-driving cars and the more futuristic version of it, autonomous flying vehicles. Even though this is not going to happen in the near future, or at least not in a big scale I would like to start exploring the current capabilities of the industry and what the current research is providing on this field. At Boeing there is a lot of interest on computer vision and some of the possible applications at the early stages of the manufacturing process for new airplanes and of course all the other applications for the space sector.

Apart from working on some personal projects to apply some of what I learned throughout this class/certification, there are some classes/certifications I am planning to attend to. The following are just some of the ones that I have scheduled for the upcoming couple of years:

ML & DL Application Frontier: <https://www.pce.uw.edu/certificates/machine-learning-and-deep-learning-application-frontiers>

Intro to Self-Driving Cars: <https://www.udacity.com/course/intro-to-self-driving-cars--nd113>

Self-Driving Car Engineer: <https://www.udacity.com/course/self-driving-car-engineer-nanodegree--nd0013>

Flying Car and Autonomous Flight Engineer: <https://www.udacity.com/course/flying-car-nanodegree--nd787>