Adam Rolek

4/16/2020

AlphaGo

Watching the AlphaGo documentary was very educational and a bit of an emotional rollercoaster. The theme of the documentary was more focused on the human perseverance and the broad benefit of artificial intelligence for mankind. In the film they explain that the algorithm will imitate a human at first and use a neural network to learn a strategy that will win the game. They explain that the algorithm uses a tree search to evaluate how promising a move will be in the future. I have more than one class this semester that have focused some time on tree searching algorithms. AlphaGo reminded me a lot of the N Queens problem. I also assume there are strong similarities with the Colored Map problem that we did in this class. I experienced quite a lot of emotions throughout this documentary. The first three games were spirit crushing, not only for Lee, but for all Go players. A lot of people counted on Lee to represent a lifestyle and thousands of years of skill. This emotion must be comparable to the fear and sadness felt by automation of jobs in industry. We, as a Species, must discuss the ethics of AI more before it becomes too late. The future of AI is very bright, and I hope we are heading towards a beautiful utopian society. I always discuss one of my dreams with people who show concerns with the benefit of AI in our lives. Imagine you are sound asleep after a great day. Your heart rate becomes sporadic, you can’t breathe, and no human is around to help you. This is more common than many people may think. What if you had technology that could sense your breathing and your heart rate? Internet connected devices could reach emergency services for you and alert EMS of your location. This type of AI can be built with enough time and research. AlphaGo gives me more hope for a future where humans and machines work together in harmony.