

Self-driving cars, robot radiologists, and the future of AI

Professor Oge Marques, PhD



Artificial intelligence (AI) has experienced significant growth during the past decades, thanks to advancements in software and hardware that have enabled better-than-human performance in many tasks, including highly publicized breakthroughs, such as self-driving cars or medical image analysis systems that might replace the human radiologist. Along with the speed and intensity at which the technical advancements are reaching the headlines, there are growing concerns about the social, ethical, economical, and philosophical aspects of AI, which have provided the script for many Hollywood blockbusters and successful TV series.

This talk provides an introduction to artificial intelligence and related topics to a non-technical audience.

Participants will be introduced to fundamental technical topics and a rich collection of contemporary successful examples of AI in action. Along the way, we will also address some of the most frequently asked questions, such as:

- What does it mean to say that a computer / robot exhibits intelligent behavior?
- Are we getting closer to solving the general intelligence problem?
- Will computers/robots replace humans, and – if so – how soon and in which areas?



Chess

IBM's Deep Blue beats chess master Gary Kasparov (1997)



Jeopardy!

IBM's Watson wins against two of the greatest winners in the TV game show Jeopardy! (2011)



AlphaGo

Google DeepMind becomes the first computer program to beat a human professional Go player (2015)

To book this talk, please contact Professor Marques at:

oge@ogemarques.com | <http://ogemarques.com> | (561) 866-7144