

# Introduction to Deep Reinforcement Learning

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## **Abstract**

Deep Reinforcement Learning, a subset of machine learning, combines deep learning with reinforcement learning principles. These algorithms have in recent years enjoyed tremendous success in solving previously intractable problems, with notable landmarks including defeating world class GO masters and top DOTA 2 teams. In this talk, I will provide an overview of basic deep reinforcement learning concepts and apply them in training a simulated robot to walk.