



4 Courses

**Fundamentals of
Reinforcement Learning**

**Sample-based Learning
Methods**

**Prediction and Control with
Function Approximation**

**A Complete Reinforcement
Learning System (Capstone)**



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Alvaro Maceda Arranz

has successfully completed the online, non-credit Specialization

Reinforcement Learning

The Reinforcement Learning Specialization consists of 4 courses exploring the power of adaptive learning systems and artificial intelligence (AI). In this specialization, learners were taught to: Build a Reinforcement Learning system for sequential decision making; understand the space of Reinforcement Learning algorithms (Temporal- Difference learning, Monte Carlo, Sarsa, Q-learning, Policy Gradients, Dyna, and more); understand how to formalize a task as a Reinforcement Learning problem, and how to begin implementing a solution; understand how RL fits under the broader umbrella of machine learning. This learner is now prepared to take more advanced courses in AI or apply AI tools to real world problems.

Martha White
Assistant Professor
Computing Science
Faculty of Science

Adam White
Assistant Professor
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