

# From academia to industry: The story of Google DeepMind

Shane Legg

Google DeepMind

---

## Abstract

---

Shane Legg left academia to cofound DeepMind Technologies in 2010, along with Demis Hassabis and Mustafa Suleyman. Their vision was to bring together cutting edge machine learning and systems neuroscience in order to create artificial agents with general intelligence. Following investments from a number of famous technology entrepreneurs, including Peter Thiel and Elon Musk, they assembled a team of world class researchers with backgrounds in systems neuroscience, deep learning, reinforcement learning and Bayesian statistics. In early 2014 DeepMind made international business headlines after it was acquired by Google. In this talk Shane covers some of the history behind DeepMind, his experience making the transition from academia to industry, how Google DeepMind performs research and finally some demos of the artificial agents that are under development.

**1998 ACM Subject Classification** I.2.11 Intelligent Agents

**Keywords and phrases** machine learning

**Digital Object Identifier** 10.4230/OASISs.ICCSW.2014.1



© Shane Legg;  
licensed under Creative Commons License CC-BY  
Imperial College Computing Student Workshop (ICCSW'14).

Editors: Romyana Neykova and Nicholas Ng; pp. 1–1  
OpenAccess Series in Informatics



OASIS Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Dagstuhl Publishing, Germany

# ICCSW