## Introduction to Deep Learning

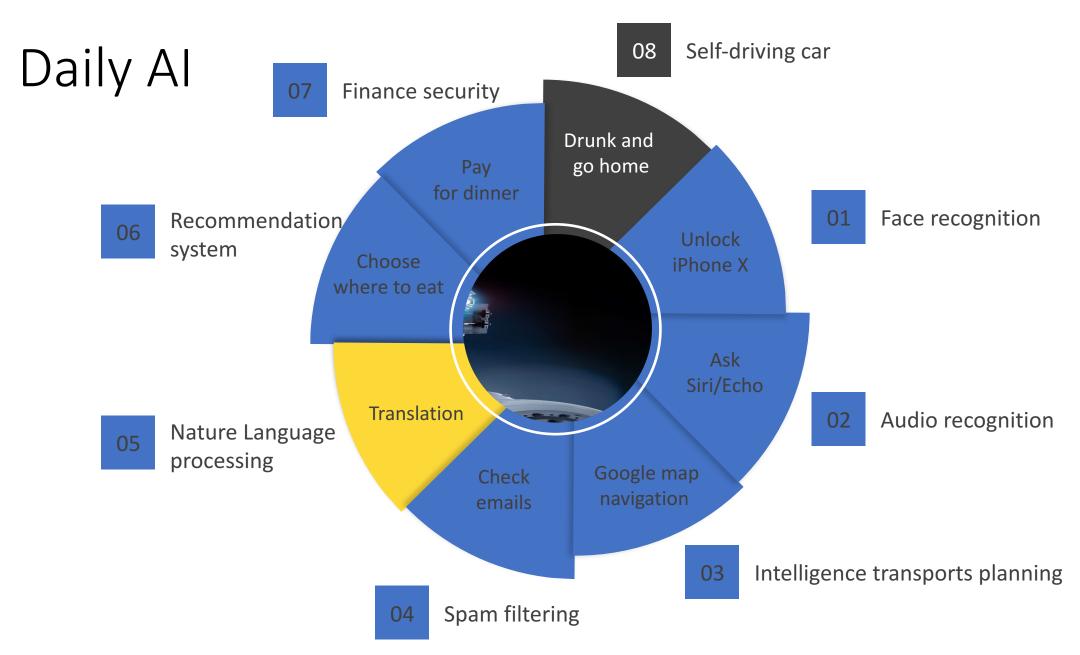
Changyou Chen

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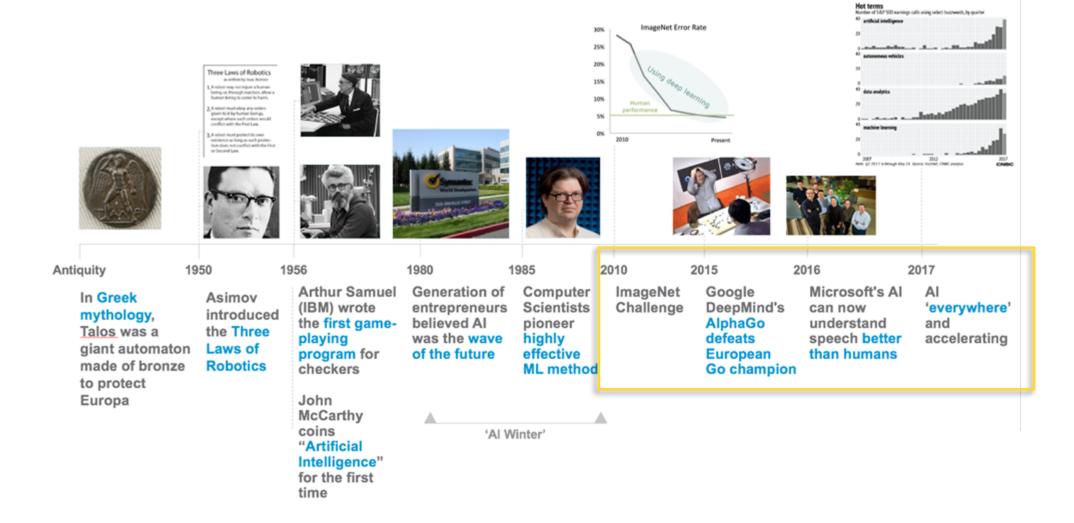
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### History



# Why



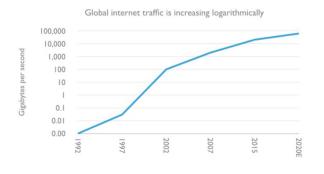
Huge amount of Data

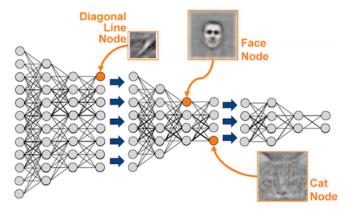


Better algorithms



Much powerful GPU







### **Artificial Intelligence**

Any technique which enables computers to mimic human behaviour.

#### **Machine Learning**

Subset of AI techniques which use statistical methods to enable machines to improve with experiences.

#### **Deep Learning**

Subset of ML which makes the computation of multi-layer neural networks feasible.

