

# Daniel Lee

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## Education

**University Of Southampton Sept 2014 - Present**  
**MEng Electronic Engineering with Artificial Intelligence**  
Current Grade: First Class

## 3rd Year Project

**LQR using Reinforcement Learning 2016 - 2017**  
The cart pole balancing problem was solved using algorithms from reinforcement learning, including, Q-Learning, policy iteration and temporal difference methods.

## Work Experience

**Internship at nquiringminds July-Sept 2015 - 2017**  
**Embedded Device Developer**  
2015 A set of sensing devices capable of reading aspects of the surrounding environment, such as temperature, humidity, noise, carbon monoxide and air pressure, was designed and manufactured.

2016 - 2017 By the use of several reverse engineering skills, the communication protocol and security implementation of a home automation kit from an external manufacturer were completely decoded.

**Part-time job at Kumon Feb-Apr 2015**  
**Mathematics Teacher**

## Workshop

**Machine Learning Workshop at JP Morgan**

## Awards

**UN debate competition, Argentina**  
**Award for outstanding performance**  
The competition consisted in representing an assigned country and debating on topics related to politics and economics with students from several other colleges.

## Languages

Spanish (native), English (advanced), Korean (advanced), French (intermediate, DELF B1)

## Skills

Python, TensorFlow, C, C++, Matlab, Javascript, Eagle, Modelsim, Synplify, System Verilog, Swift, Embedded Systems, L<sup>A</sup>T<sub>E</sub>X

## Extra

**Machine Learning Course by Stanford University - Coursera**