

Reuben Ng

Curriculum Vitae

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Nationality Malaysian, UK Indefinite Leave to Remain

EDUCATION

MEng. Electronic Engineering with Artificial Intelligence

2014-2018

University of Southampton

Third Year Average: 73

Relevant Modules: Machine Learning, Computational Biology, Data Mining, Advanced Machine Learning, Computer Vision, Computational Finance, Intelligent Agents, Evolution of Complexity

PROJECT EXPERIENCE

Cryptocurrency Price Prediction

2018

Advanced Machine Learning

Use twitter sentiment to predict price movement of cryptocurrency with different deep neural network architectures, i.e. Long Short-term Memory, Convolutional Neural Network

Smart Contract

2018

Computational Finance

Mini game smart contract with betting. Deployed onto Ethereum Ropsten.

Secure Ping by BAE Systems

2017-2018

Final Year Group Project

Secured ethernet devices to identify secret network. Prototype has preliminary approval for use at a BAE Systems facility.

Secondary Protein Structure Prediction

2016-2017

Computational Biology

Predict secondary protein structure with deep neural network.

Playing Video Game with Deep Reinforcement Learning

2016-2017

Third Year Individual Project

Play video games using raw pixel values as input with deep reinforcement learning

IoT Rolling Robot by BAE Systems

2016

Second Year Prize Winner

IoT rolling robot, live multiple sensor feedbacks and first-person video feed. Movement controlled gyroscopically via smart phone.

IBM's Master the Mainframe Contest

2015

Part 2 Prize Winner

Programming and debugging mainframe programs.

SKILLS

<i>Languages</i>	English (fluent) Mandarin Chinese (fluent) Cantonese Chinese Malay
<i>Programming</i>	PYTHON, C, C++, JAVA, MATLAB, JAVASCRIPT, L ^A T _E X SOLIDITY (Smart Contract) SYSTEMVERILOG (Hardware Description Language) Embedded Programming, Web Applications
<i>Machine Learning</i>	TENSORFLOW, KERAS, OPENIMAJ(Computer Vision) Deep Neural Network, Reinforcement Learning, Computer Vision
<i>Others</i>	Blockchain, Smart Contract, Cryptocurrencies