

Siyuan(Kevin) Hu

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EDUCATION

09/2016 - 05/2018 **Carnegie Mellon University**
Entertainment Technology

09/2012 - 06/2016 **Xidian University**
Software Engineering

PROFESSIONAL EXPERIENCE

09/2017 – 12/2017 **Company: Apple**
05/2017 – 08/2017 **Position: Software Engineer Intern at Special Projects Group**
Assist in the development of intelligent systems as part of a large scale, cross-functional, multi-platform product.
Responsible for algorithm design and implementation of artificial intelligence.

02/2016 - 05/2016 **Company: Microsoft Research Asia**
05/2015 - 11/2015 **Position: Research Intern**
Participated in developing a data analysis system.
Originated a new machine learning framework called *adaptive learning* which can learn from user feedback and adapt to different data domains.
Originated a prescriptive learning framework.
Acquired skills in Machine Learning and Data Mining.

01/2015 - 04/2015 **Company: NetEase**
Position: Game Engineer Intern
Participated in developing the game: *Qian Nv You Hun Lu*.
(<http://yhl.163.com/>)
Acquired skills in Artificial Intelligence, Network Computing and Game Engine.

PROJECT EXPERIENCE

09/2014 - 10/2014 **Training Humanoid Robot to Swing Using Energy-Based Reinforcement Learning**
Data and Knowledge Engineering Research Center, Xidian University
Building a humanoid robot in Unity 3D.
(<http://35.165.64.209:808/webApp/>)
Using Q-learning with energy-based reward function training robot to control and coordinate its body to swing like human being.

02/2016 - 05/2016 **Building Virtual World**
Entertainment Technology Center, Carnegie Mellon University
Using Oculus, HTC VIVE and HoloLens to create VR/AR games.
Programming Cozmo Robot to interact with virtual world.

SKILLS

Programming: C/C++, C#, Python, Java, Pascal, Lua, Matlab, SQL.
Algorithms: ACM/ICPC, Machine Learning, Data Mining, Artificial Intelligence.
Others: Hadoop, TensorFlow, Keras, Steam VR, Web/Mobile Development (front/back-end).

AWARDS

2014 **Imagine Cup 2014**
Second Prize in Chinese District

2014 **THE 2014 ACM/ICPC HUAWEI Cup Programing Contest**
First Prize

2013 **Microsoft Research Asia Windows Azure Pioneer**
Second Prize

2013 **THE 2013 ACM/ICPC Asia China Shaanxi Provincial Programing Contest**
Bronze Medal