Yue Yu

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github.com/iYUYUE

Education

2017 – **Doctor of Philosophy**, *Computer Science*, Georgetown University, Washington D.C.,
Area of Interest : Computational Linguistics and Deep Reinforcement Learning.

2015 – 2016 **Master of Science**, *Artificial Intelligence*, The University of Edinburgh, Scotland,
Specialization: Natural Language Processing and Machine Learning.

2011 – 2015 **Bachelor of Science**, *Information and Computing Science*,
The University of Liverpool, UK & Xi'an Jiaotong-Liverpool University (XJTLU), China.

Experience

09/2017 – Present **Research Assistant**, Georgetown University.
- Data-driven Conversation Modeling (Dialogue System) using Semantic and Neural Methods.
- Supervisor: Dr Grace Hui Yang

01/2017 – 07/2017 **Teaching Assistant**, The Chinese University of Hong Kong, Shenzhen.
- Supporting courses: Calculus II[1], Statistical Inference[2] and Risk Management with Derivatives[3].
- Supervisors: Dr Huihuan Qian[1], Dr Jianfeng Mao[2] and Dr Ye Du[3]

06/2014 – 08/2014 **Summer Undergraduate Research Fellowship (Machine Learning)**, XJTLU.
- Proposed a classification algorithm based on hyper-sphere partitioning.
- Supervisor: Prof Steven Guan

06/2013 – 08/2013 **Summer Undergraduate Research Fellowship (Robotics & Machine Learning)**, XJTLU.
- Developed a motion recognition module based on SVM and PCA in Arduino/Java.
- Supervisor: Dr Haining Liang

Projects

2016 **Learning Cross-Lingual Lexico-Semantic Transfer for Automatic Grammatical Error Correction**, *MSc Project*.
- Constructed a grammatical error correction system based on SMT (Moses), with a focus on English as a Second Language (ESL) learners speaking Chinese. Python and C++ are the main dev languages.
- Supervisor: Dr Christopher Lucas

2015 **Context-Aware Similarity Learning for Music Recommendation**, *Social and Technological Networks Project*.
- Proposed an unsupervised approach to suggest songs without any knowledge of the music itself. It is simply based on the music listening sequences collected from social music networks, like Last.fm.
- Supervisor: Dr Rik Sarkar

2014 **Ushare**, *CSE208 Software Engineer Project*.
- Designed and implemented the localization algorithm, backend API, database, Web frontend and Android app for a Location Based Service (LBS). Java, PHP, JavaScript, SQL and CSS are used.
- Supervisor: Dr Charles Fleming

Honors and Awards

2015 **University Academic Excellence Award**, *Top 5% Academic Excellence*, XJTLU.

2014 **Progression Scholarship - Second Class**, *Top 10% Academic Excellence*, XJTLU.

National Endeavor Scholarship, *Department of Education*.

2013 **Progression Scholarship - First Class**, *Top 3.3% Academic Excellence*, XJTLU.

National Endeavor Scholarship, *Department of Education*.

Excellent Student Organization Manager, *XJTLU*.