

YUSONG WU

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Github: <https://github.com/lukewys>

EDUCATION

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|---|----------------|
| Beijing University of Posts and Telecommunications
School of Automation | 2016 - Present |
| The High School Affiliated to Renmin University of China | 2013 - 2016 |

RESEARCH EXPERIENCE

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| Embedded Artificial Intelligence Research Group, BUPT
Advisor: Shengchen Li <ul style="list-style-type: none">· Controllable Music Style Generation· Using a single set of parameters of a generative deep learning model to generate music pieces in specified genre given a premier melody and a conditioning input indicating the genre. | April 2018 - Present |
| College Student Innovative Programme <ul style="list-style-type: none">· Project: Machine learning based music arrangement - worked as project leader· Accomplished and trained a system based on LSTM model that can generate single-channel melody given a premier input. | May 2017 - May 2018 |
| High School Research <ul style="list-style-type: none">· Project: Multi-rotor UAV based atmospheric pollution monitoring system· Designed a novel and flexible system based on UAV and sensors sets for air pollution monitoring. | October 2013 - April 2015 |

SKILLS

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| Programming Skills <ul style="list-style-type: none">· Proficient in Python, Python-Tensorflow. Fluent in C/C++, Matlab, Java. | |
| English Skills <ul style="list-style-type: none">· TOFEL 106, GRE 327 | |
| Online Courses <ul style="list-style-type: none">· Deep Learning - Deeplearning.ai· Machine Learning - Stanford University | 98/100
95/100 |
| Music <ul style="list-style-type: none">· Professional Percussion player, Started playing at age 6, tutored by top Percussion musician Xibin Liu.· Over 10 years of experience in orchestra, including symphony orchestra, wind orchestra and marching band, proficient in Timpani. | |

SELECTED HONORS & AWARDS

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| Gold Price in Beijing University Orchestra Performance | 2018 |
| 3 rd Prize of Academic Scholarship | 2017,2018 |