

Wentao Zhu

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EDUCATION

- 2016.9 - 2020.6 B.S. Computer Science, School of EECS, Peking University
- 2017.9 - 2020.6 B.S. Economics, National School of Development, Peking University

RESEARCH PROJECTS

- 2017.4 - 2017.11 **Genetic Sequential Logic Circuit Programming**
Advisor: Prof. Qi Ouyang (School of Physics, PKU)
- Demonstrate a framework of programmable biological sequential circuits.
 - Design fundamental module for genetic sequential logic (Bio Flip-flop).
 - Develop sequential circuits design automation algorithms.
 - Won Best Information Processing Project Nominee in iGEM 2017
- 2017.7 - 2017.9 **Graph Based Keywords Extraction of Academic Papers**
Advisor: Prof. Junfeng Hu (Institute of Computational Linguistics, PKU)
- Introduce priori knowledge from domain ontology to keywords extraction.
 - Construct weighted graph to evaluate the importance of candidate terms.
 - Cluster the extracted keywords into topics based on semantic relevance.

EXPERIENCE

- 2018.6 - 2018.8 **Visiting Student, Stanford University**
International Honors Program. California, United States
- Recommended by Peking University.
 - Fulfilled intensive study of computer science.
- 2017.8 - 2017.9 **Software Engineer Intern, World Wildlife Fund**
Voluntary Work. Beijing, China
- Help arrange enterprise resource planning system.
 - Support office automation development.
- 2017.7 - 2017.8 **Student, Data Science Immersion**
Instructor: John W. Emerson (Department of Statistics, Yale University)
- An intensive program on data analysis and statistical computing with R.
 - Supported by MOE-Microsoft Key Laboratory of Statistics and Information .

2016.9 - 2016.9 **Staff, Social Good Summit 2016**
Voluntary Work. Beijing, China
 - Organize the section hosted by UNDP and Bill & Melinda Gates Foundation.
 - Interview the lecturers including Derek Shen, President of LinkedIn China.

SELECTED COURSES

3.88/4.00 *Introduction to Information Science and Technique, PKU*
 3.88/4.00 *Introduction of Synthetic Biology, PKU*
 3.95/4.00 *American Economy, PKU*
 3.73/4.00 *Algorithm Design and Analysis, PKU*
 3.97/4.00 *Leading Edge of Artificial Intelligence and Industry Trend, PKU*
 3.85/4.00 *Computer Vision and Deep Learning, PKU*
 4.30/4.00 *Introduction to Scientific Computing, Stanford MATH 114*
 4.00/4.00 *Data Mining and Analysis, Stanford STATS 202*
 4.30/4.00 *Introduction to High Performance Computing, Stanford ME 344*

AWARDS

2017.11 International Genetically Engineered Machine Competition, Gold Medal
 2018.2 COMAP's Interdisciplinary Contest in Modeling, Meritorious Winner (8%)
 2018.6 Apple WWDC18 Scholarship

TEST SCORES

2018.1 TOEFL 110
 2018.8 IELTS 7.5

SKILLS AND METHODS

Programming

C, C++, Python, MATLAB, R, Swift, HTML, Javascript, T_EX

Frameworks

Tensorflow, Keras, PyTorch

Language

Mandarin Chinese (native), English (proficient), Cantonese(elementary), French(elementary)

Updated November 2018