

Liangwei Yang

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🎓 EDUCATION

University of Electronic Science and Technology of China (UESTC), Chengdu, China 2017 – Present

Master student in Computer Science and Technology, expected July 2020

- Research direction: Reinforcement learning, Data mining, Machine learning,
- GPA: 3.95/4.0, Rank: 2/408
- Advisor: Tao Zhou, Ph.D and Hui Gao, Ph.D

University of Electronic Science and Technology of China (UESTC), Chengdu, China 2013 – 2017

B.S. in Electronics Science and Technology

📄 PUBLICATIONS

- Chungu Guo, **Liangwei Yang**, Duanbing Chen, Hui Gao and Jing Ma. "Influential nodes identification in complex networks via information entropy." *Entropy* (2020): 22(2), 242 .
- Mensah Dennis Nii Ayeh, Hui Gao, and **Liangwei Yang**. "Approximation Algorithm for Shortest Path in Large Social Networks." *Algorithms* 13.2 (2020): 36.
- **Liangwei Yang**, Hui Gao, Zhen Liu and Lixia Tang. "Identification of phage virion proteins by using the g-gap tripeptide composition." *Letters in Organic Chemistry* (2018): 16(4), 332-339.
- Zhineng Hu, Jing Ma, **Liangwei Yang**, Xiaoping Li and Meng Pang. "Decomposition-Based Dynamic Adaptive Combination Forecasting for Monthly Electricity Demand." *Sustainability* (2019): 11(5), 1272.
- Zhineng Hu, Jing Ma, **Liangwei Yang**, Liming Yao and Meng Pang. "Monthly Electricity Demand Forecasting using Empirical Mode Decomposition-Based State Space Model." *Energy & Environment* (2019).
- **Liangwei Yang**, Hui Gao, Keyu Wu, Hao Lin, Haotian Zhang and Changyu Li. "Identification of cancerlectins by using cascade linear discriminant analysis and optimal g-gap tripeptide composition." 2019. Accepted by *current bioinformatics*.

👍 AWARDS

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|---|----------------------|
| • Excellent graduate students in UESTC | Apr. 2019 |
| • National Scholarship | Oct. 2018 |
| • Premium Scholarship | Oct. 2018 |
| • National Third Prize of SAS Data Analysis Competition in Chinese Universities | Nov. 2017 |
| • Excellent Bachelor's Degree Thesis | Jun. 2017 |
| • People's Scholarship | Jun. 2015, Jun. 2013 |
| • Campus 3D Printing Competition Excellent Award | May. 2015 |
| • Provincial Third Prize for Comprehensive Engineer Ability Competition | Dec. 2014 |

⚙️ SKILLS

- Programming Languages: Python
- Mastered library: Numpy, Pandas, Sklearn, Keras, Pytorch
- English: TOEFL: 104/120,
GRE: Verbal Reasoning: 152/170, Quantitative Reasoning: 168/170, Analytical Writing: 3.5/6

WORK EXPERIENCE

Chengdu Unionbigdata Technology Co., Ltd

Spet. 2018 – Jan. 2019

Algorithmic Design, Intern Manager: Hui Gao, Ph.D

Project One: Deep learning based text classification

- *Task:* Help government censors detect information related to social stability.
- *Participation:* I mainly focused on building text classification algorithm, and reduced censors's daily work from 3000 messages to 800 messages per day.
- *Supervisor:* Hui Gao, Ph.D

Project Two: Mayor's mailbox hot word extracting

- *Task:* Hot words extraction from mayor's mailbox of Chengdu.
- *Participation:* I mainly worked on hot words extraction algorithm, and provide displaying data for front display.
- *Supervisor:* Hui Gao, Ph.D

Project Three: Deep learning based reinforcing bars recognition

- *Task:* Identify reinforcing bars from pictures taken in factory.
- *Participation:* I mainly worked on CNN based reinforcing bars recognition algorithm and achieve a precision and recall rate both over 98%, which greatly reduces human cost.
- *Supervisor:* Duanbing Chen, Ph.D

SERVICES

- Act as **Peer Leader** of Class 3 of Electronic Science and Technology Sept. 2015 – Jul. 2019
 - Guide 38 students through their college life.
 - The guided class won the **Excellent Class** in 2016
- Be a **volunteer teacher** in Yata Primary School, one of the poorest primary schools in Guizhou Province. Jul. 2014
 - After volunteered, **most of students** there have gotten **financial support** from society.
 - This team wins the **second prize** in National Undergraduate Summer Social Practice in 2014.

REFERENCES

- Tao Zhou
 - Professor
 - Complex Lab
 - University of Electronic Science and Technology of China

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- Hui Gao
 - Professor
 - Big Data Research Center
 - University of Electronic Science and Technology of China

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- Zhineng Hu
 - Professor
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