

SHUTAO ZHANG

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EDUCATION

University of Science and Technology of China , Anhui, China M.S. in Computer Science	Sep. 2018 - Present
Jiangnan University , Jiangsu, China B.S. in Computer Science Overall GPA: 3.67/4.00	Sep. 2014 - Jun. 2018

WORK EXPERIENCE

PalmVISA, Wuxi, Jiangsu, China <i>Software Engineer Intern</i> <ul style="list-style-type: none">- Investigated and tested the functions of mobile applications- Designed prototype with Mockingbot	Nov. 2015 - Sep. 2016
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PROJECTS

Intelligence Service Platform for Medium, Small and Micro-enterprises Based on Big Data

- Built a distributed platform Hadoop in three machines
- Implemented load balance on distributed system by using BP neural network and PSO
- Developed a text matching model that applies CycleGAN to achieve semantic transformation and enhanced matching degree
- Outperformed baselines in terms of accuracy and f1 score on datasets

Web Crawler Based on Document Intelligence and Human Resource Data

- Implemented a distributed crawler system with Scrapy and Redis
- Applied naive Bayes for text categorization
- Avoided crawler traps
- Collected more than 4 million informations

Face Recognition Based on Hyperspectrum

- Implemented a face recognition system with PCA

PUBLICATIONS

Shutao Zhang, Haibo Tan, Liangfeng Chen, Bo Lv, "Enhanced Text Matching Based on Semantic Transformation," in *IEEE Access*, vol. 8, pp. 30897-30904, 2020.

Liangfeng Chen, **Shutao Zhang**, Haibo Tan, Bo Lv, "Progressive RSS Data Augmenter with Conditional Adversarial Networks," in *IEEE Access*, vol. 8, pp. 26975-26983, 2020.

Shutao Zhang, Haibo Tan, Liangfeng Chen, Bo Lv, "A Load Balancing Algorithm for Distributed Crawler System," *2019 IEEE 11th International Conference on Communication Software and Networks (ICCSN)*, Chongqing, China, 2019, pp. 553-557.

Shutao Zhang, Haibo Tan, Liangfeng Chen, Bo Lv, "An Efficient Load Balance Strategy for Distributed Crawler System," in *Computer Engineering*, 2018. (In Chinese).

HONORS AND AWARDS

First prize scholarship, University of science and technology of China, 2018-2019

Excellent Bachelor Thesis, Jiangnan University, 2018

National Endeavor Scholarship, Ministry of Education of China, 2015-2017

Merit Student, Jiangnan University, 2017

Yuan Xiang Scholarship (for international exchange program), Jiangnan University, 2017

TECHNICAL SKILLS

Languages: C/C++, Python, Java, SQL

Tools: Hadoop, HBase, MySQL, Linux, Tensorflow