

WENWEI ZHANG

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37 Luoyu Road, Hongshan District, Wuhan, Hubei Province, China

EDUCATION

Wuhan University

Wuhan, China

B.S., Software Engineering, GPA 3.65, Rank 1/356

Expected May 2019

- Relevant coursework: Artificial Intelligence, Pattern Recognition, Data Mining, Digital Image Processing, Computer Network, Data Structure and Algorithms, Computer Organization and Architectures.

SKILLS

Programming Languages

Python, Lua, Matlab, C/C++, JAVA

Deep Learning Frameworks

Pytorch, Torch, Caffe, Tensorflow

Software & Tools

LaTeX, OpenCV

EXPERIENCE

iNCML Lab, York University

Toronto, Canada

Summer Research Intern

June. 2018 - August. 2018

- Study on methods for Question and Answering (QA) Tasks, attending group meeting, reading papers and reproduce experiments results of current state-of-art methods for QA.
- Apply Fixed-Size Ordinally-Forgetting Encoding (FOFE) method with feed forward neural network in QA to get competitive results.
- Attend the third annual Undergraduate Summer Student Research Conference of York University and participate in the poster representation.

SenseTime Group Ltd

Beijing, China

Research Intern at Segmentation Group

Jan. 2018 - May. 2018

- Research on vehicle panorama stitching for free space detection and warning, and apply it into Advanced Driver Assistant System.
- Help develop scene recovery algorithms in vehicle path planning project for autonomous driving.
- Undertake investigation into lane detection and segmentation using Fully Convolutional Networks; reading relative papers, coding, doing experiments and co-authoring the progress into patents and paper, with one paper accepted by ACMMM-2018.

Financial Information and Services Science Laboratory, Wuhan University Wuhan, China

Research Assistant

Dec. 2015 - Feb. 2018

- Investigated the origin of consciousness and human intelligence by surveying relevant literature and co-authoring the progress into books and papers.
- Conducted research on new algorithms to standardize the speech for speech recognition.
- Researched on frameworks of Blockchain currently in the market, including Bitcoin and Ethereum, and used the Blockchain platform to build a web application for education, based on Ethereum.

Research on the new media dissemination of terrorism information under the background of big data and Its Countermeasures, Wuhan University

Wuhan, China

Research Assistant

Jun. 2017 - Dec. 2017

- Studied the new media dissemination of terrorism information in the context of big data as well as the countermeasures.

- Wrote web crawler for twitter, trained word embedding model using Gensim and performed sentiment analysis of the crawled txt.
- Read and collected data for terrorisms events, and performed data mining and analysis.

A.L.T Team, Wuhan University

Team Leader

Wuhan, China

May 2017 - Nov. 2017

- As the team leader, developed a blockchain-based online educational platform in the 2017 Citi Financial Innovation Application Competition, got the winning prize.
- Developed the first Wechat small application of Wuhan University, which accumulated approximately 6000 users.
- Developed an H5 application, which introduced popular food around Wuhan University using the statistics data collected by the News Center of Ziqiang Studio.

ACHIEVEMENTS

Books

- Before the Rise of Machines, The beginning of Consciousness and the Human Intelligence, H. J. Cai, Tianqi Cai, **Wenwei Zhang**, Kai Wang.
Published by Tsinghua University Press in March, 2017.
Awarded the Wu Wenjun Award for Science and Technology of Artificial Intelligence in 2017.

Papers

- StripNet: Towards Topology Consistent Strip Structure Segmentation, Guoxiang Qu*, **Wenwei Zhang***, Zhe Wang, Xing Dai, Jianping Shi, Yu Qiao.
ACM International Conference on Multimedia (ACMMM), 2018.
- The Beginning and Evolution of Consciousness, H. J. Cai, Tianqi Cai, **Wenwei Zhang**, Kai Wang.
International Conference on Artificial Intelligence and Industrial Engineering (AIIE), 2016.

Awards

- National Scholarship 2016
- Merit Student of Wuhan University 2016
- Champion of Wuhan University Zhongxia Debate Competition 2017
- Second Place of the Sixth WHU v.s. HZUST Dragon Boat Competition 2017
- Third Prize of the Seventh National College Mathematics Competition 2015