Wenwei Zhang

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Education

Wuhan University   *Wuhan, China*

B.S. in Software Engineering   GPA: 3.65/4   Ranking: 3/305 (Top 1%)   *Expected in May 2019*

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

Work Experience

iNCML Lab, York University   *Toronto, Canada*

Summer Research Intern   *Jun. 2018 - August. 2018*

- Read research papers on state-of-the-art techniques for building Question and Answering (QA) models and reproduced their experimental results.
- Implemented our own QA model with Fixed-Size Ordinally-Forgetting Encoding (FOFE) method and feedforward neural network.
- Delivered a presentation at the annual Undergraduate Summer Student Research Conference of York University.

SenseTime Group Ltd   *Beijing, China*

Research Intern at Segmentation Group   *Jan. 2018 - May. 2018*

- Researched on vehicle panorama stitching for free space detection and warning, and incorporated this technique into the Advanced Driver Assistant System.
- Developed scene recovery algorithms in the vehicle path planning project for autonomous driving.
- Investigated lane segmentation using Fully Convolutional Networks; conducted experiments on CULane Dataset and improved the F1 measure; co-authored the progress into patents and 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-authored the progress into books and papers.
- Conducted analysis on Chinese voiceprint to standardize the speech for speech recognition using FFT.
- Researched on the Blockchain frameworks currently used in the market, including Bitcoin and Ethreum; led a team of 11 students to develop a blockchain-based online educational platform based on Ethreum in the 2017 Citi Financial Innovation Application Competition and was awarded the winning prize.
- Developed the first Wechat small application of Wuhan University (WHU) for tour guidance which accumulated approximately 6000 users, and an H5 application introducing popular food around WHU using the statistics collected by the News Center of Ziqiang Studio.

Publication

Before the Rise of Machines, The beginning of Consciousness and the Human Intelligence

H. J. Cai, Tianqi Cai, **Wenwei Zhang**, Kai Wang

Tsinghua University Press, March, 2017

Awarded the Wu Wenjun Award for Science and Technology of Artificial Intelligence.

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

Skills

Technical   Pytorch, Torch, Matlab, OpenCV, Caffe, Python, C++/JAVA Programming, Latex

Languages   Fluent in English, GRE 323 (Verbal 156 + Quantitive 167) + AW 3.5, TOEFL 91