Bingxuan Wang

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EDUCATION

Bachelor of Science, Data Science and Big Data Technology
Yuanpei College of Peking University, Beijing, China   2017-2021(*expected*)
GPA   3.58 (11/36)
Minor   Economy

PUBLICATIONS

- Yushuo Guan, Pengyu Zhao, **Bingxuan Wang**, Yuanxing Zhang, Kaigui Bian, Cong Yao. *Differentiable Feature Amalgamation Search in Knowledge Distillation.* IJCAI 2020 (Submitted)
- Yushuo Guan, Yuanxing Zhang, **Bingxuan Wang**, Kaigui Bian, Xiaoliang Xiong, Lingyang Song. *PERM: Neural Adaptive Video Streaming with Multi-path Transmission.* IEEE INFOCOM 2020.

PROJECTS

- **Knowledge Distillation**
  At the beginning of preparation for the paper we submitted to IJCAI 2020, I independently established our distillation model for the first time and conducted basic experiments on it. Due to final exams, later experiments were conducted based on my model by my mentor.
- **TextSkeleton**
  In this project, we experimented many ideas like selecting different anchor points and prediction methods to improve the performance of our OCR model. We submitted our results to AAAI 2020 while the paper was rejected. I was in charge of the establishment of the training dataset and the writing of some functions and I practiced the ability to conduct experiments on deep learning reasearches.
- **Synthtext**
  I understood the code of Synthtext and modified some functions and parameters to generate synthetic images with various text orientations and curvatures to meet need of training set for ICDAR 2019. This is my first python project.

ACTIVITY EXPERIENCES

- Reviewer for IEEE TvT 2020
- Co-funder of Chongni Technology Co., Ltd
  Established in March, 2019, Chongni is a C2C pet-selling company inspired by Puppyspot. I was in charge of design and development of our website and android application. Due to the immature pet market in China, we stopped our business in September. The entrepreneurial experience brings a better understanding of technology and corporation.

AWARDS & HONORS

- **Merit Student** from Peking University, 2019.
- 2019 ICDAR Robust Reading Challenge on Arbitrary-Shaped Text. **First Prize (ranked No.1)**.
- Member of CF40 and Lujin Group scholarship class **(16 out of over 200 participants)**. 2018-2020.
- Second Class Freshman Scholarship. 2017.