Zhoujun Cheng

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EDUCATION

Shanghai Jiao Tong University, Shanghai, China

- M.S. in Computer Science   Sep 2021 – *Present*
  - Supervisor: Prof. Fan Cheng
  - Research Interest: Natural Language Processing, especially on structured data modeling
- B.S. in Computer Science (IEEE honor class)   Sep 2017 – Jun 2021
  - Overall GPA: 3.96 / 4.30, Rank: 8 / 109

EXPERIENCE

Microsoft Research Asia DKI Group, Beijing, China

- Research Intern, working on tabular data   Dec 2020 – *Present*
  - Built a hierarchical table dataset for Table QA and NLG and designed a hierarchical-aware logical form for question answering over complex tables.
  - Enhanced tabular models with stronger numerical-reasoning skills by pretraining on spreadsheet formulas.
  - Supervisor: Haoyu Dong

Alibaba TmallSearch, Hangzhou, China

- Engineering Intern, TmallShop Search   Jul 2020 – Sep 2020
  - Implemented a recommendation module for Double Eleven Carnival with upgraded recommendation algorithm.
  - Supervisor: Jin He

MVIG Group, Shanghai Jiao Tong University, Shanghai, China

- Research Intern, working on 3D object matching   Jan 2019 – Feb 2020
  - Collected a 3D keypoint dataset and explored 3D dense correspondence with different model backbones.
  - Supervisor: Prof. Cewu Lu

PUBLICATIONS

[1] **Zhoujun Cheng***, Haoyu Dong*, Zhiruo Wang*, Ran Jia, Jiaqi Guo, Yan Gao, Shi Han, Jian-Guang Lou, Dongmei Zhang, "HiTab: A Hierarchical Table Dataset for Question Answering and Natural Language Generation", **ACL 2022**

[2] **Zhoujun Cheng***, Haoyu Dong*, Ran Jia, Pengfei Wu, Shi Han, Fan Cheng, Dongmei Zhang, "FORTAP: Using Formulae for Numerical-Reasoning-Aware Table Pretraining", **ACL 2022**

[3] Haoyu Dong, **Zhoujun Cheng**, Xinyi He, Mengyu Zhou, Anda Zhou, Fan Zhou, Ao Liu, Shi Han, Dongmei Zhang, "Table Pre-training: A Survey on Model Architectures, Pretraining Objectives, and Downstream Tasks", **Preprint, January 2022**

[4] Yang You, Chengkun Li, Yujing Lou, **Zhoujun Cheng**, Liangwei Li, Lizhuang Ma, Weiming Wang, Cewu Lu "Understanding Pixel-level 2D Image Semantics with 3D Keypoint Knowledge Engine", **TPAMI**

[5] Yang You, Yujing Lou*, Chengkun Li*, **Zhoujun Cheng**, Liangwei Li, Lizhuang Ma, Cewu Lu, Weiming Wang, "KeypointNet: A Large-scale 3D Keypoint Dataset Aggregated from Numerous Human Annotations", **CVPR 2020**

[6] Yujing Lou*, Yang You*, Chengkun Li*, **Zhoujun Cheng**, Liangwei Li, Lizhuang Ma, Weiming Wang, Cewu Lu, "Human Correspondence Consensus for 3D Object Semantic Understanding", **ECCV 2020**

AWARDS & SCHOLARSHIPS

- National Scholarship (2%)   2018
- MSRA Stars of Tomorrow   2021
- Shanghai Outstanding Graduates   2021
- SJTU Zhiyuan Honor Scholarship (5%)   2018 – 2020

SKILLS

- Programming Languages: Python > C++ > Others
- Deep Learning Tools: Pytorch > Huggingface > AllenNLP > Fairseq ≈ Tensorflow
- Languages: Mandarin > English ≈ Shanghai dialect