Cunxiao Du

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EDUCATION

Shandong University **GPA: 85.28/100**

Computer Science and Technology *Expected Graduation: June 2019*

RESEARCH EXPERIENCE

Research Assistant **Qingdao, Shandong**

Information Retrieve Laboratory, Shandong University *Mar 2017 - present*

Supervised by Dr. Liqiang Nie

- **Transparent Output Dense Layer with Explicit Interaction Mechanism**
  We gave a new explanation scheme for the output dense layer and designed an EXplicit interAction Mechanism (dubbed as EXAM) based on this explanation. By applying it to baseline models, we achieved promising performance on multiple tasks and made the neural networks more transparent. We gave an invited talk at Zhihu Company about this paper.
  Cunxiao Du, Fuli Feng, Zhaozheng Chen, Yongqi Li, Liqiang Nie
  Submitted to NIPS 2018
- **Urban Perception: Sensing Cities via Deep Interactive Multi-task Learning**
  Proposed a model that comparatively quantifies the perceptions of urban attributes by jointly integrating the pairwise comparisons, regional interactions, and urban attribute correlations within a unified deep scheme.
  Liqiang Nie, Zhaozheng Chen, **Cunxiao Du**, Fuli Feng, Richang Hong, Meng Wang, Xin-Shun Xu
  Submitted to ACM MM 2018

Summer Intern **Beijing**

Conversation AI, Tsinghua University *July 2017 - Sep 2017*

Supervised by Dr. Minlie Huang

- **Learning for Practice: Guide the Conversation System to Grow Up**
  We propose an open-domain dynamic conversation system that is capable of learning from the machine-human conversations. To the best of our knowledge, we are the first to jointly solve the logical and semantic inconsistency problems via learning from human feedbacks in open-domain dialog systems.
  Cunxiao Du, Minlie Huang, Zhiyong Chen, Xinshun-Xu, Liqiang Nie
  Aiming at TOIS

HORNOURS

- **Second Prize**, 2017 CCF Big Data and Computational Intelligence Contest
- **Special Award**, The 6th Teddy Cup Data Mining Contest
- **Second Prize**, 2017 Intel Cup National Collegiate Software Innovation Contest
- The Third Prize Scholarship
- The Second Prize Scholarship

SKILLS

- TOEFL: 93
- Programming Languages: Python, Java
- Deep Learning Libraries: MXnet (**contributor**), Tensorflow, Pytorch