Cunxiao Du

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EDUCATION

Shandong University   **GPA: 84.13/100**
Computer Science and Technology   *Expected Graduation: June 2019*

RESEARCH EXPERIENCE

Research Assistant   **Qingdao, Shandong**
ILEARN Laboratory, Shandong University   *Mar 2017 - present*
Supervised by Dr. Liqiang Nie

- **Explicit Interaction Model towards Text Classification**
  We introduce the interaction mechanism to incorporate word-level matching signals into the text classification task. In particular, we design a novel framework, EXplicit interAction Model (dubbed as EXAM), equipped with the interaction mechanism. We justified the proposed approach on several benchmark datasets including both multi-label and multi-class text classification tasks. Extensive experimental results demonstrate the superiority of the proposed method. As a byproduct, we have released the codes and parameter settings to facilitate other researches.
  We gave an invited talk at Zhihu Company about this paper.
  Cunxiao Du, Fuli Feng, Zhaozheng Chin, Lei Zhu, Tian Gan, Liqiang Nie
  Accepted by AAAI 2019 (AC Rate=16.2%) as a long paper.
- **Zero-shot Question Tagging towards Social Question Answering**
  Although existing tagging methods are promising in annotating the given entities with predefined and seen tags, newly created topic tags are common in the sQA sites. Given the demonstrated capability of Zero-Shot Learning (ZSL) in visual recognition that transfers the knowledge from the seen classes to the unseen ones, we intend to leverage the ZSL strategy to tag the social questions with unseen tags.
  Cunxiao Du, Meng Liu, Xiao Zhang, Xiaolong Yin, Minlie Huang, Liqiang Nie
  Aiming at SIGIR 2019

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 Cheng, Xinshun-Xu, Liqiang Nie
  Aiming at TOIS

HORNOURS

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

- The Second Prize Scholarship

OPEN SOURCE PROGRAMS

- <u>Incubator-Mxnet</u>, Contributor, A deep learning framework, github star: 15270
- <u>Mxnet-SMN</u>, Creator, Sequential Matching Network (ACL 2017) MXNET Version, github star: 16
- <u>Mxnet-SS-CNN</u>, Creator, Deep Learning the City (ECCV 2016) MXNET Version, github star: 6
- <u>ZhihuTagging</u>, Creator, An interactive demo for zhihu tagging

SKILLS

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