

Cunxiao Du

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EDUCATION

Singapore Management University
Computer Science and Technology

Ph.D
2019-present

Shandong University
Computer Science and Technology

Bachelor
2015-2019

RESEARCH EXPERIENCE

Research Assistant
ILEARN Laboratory, Shandong University
Supervised by Dr. Liqiang Nie

Qingdao, Shandong
Mar 2017 - July 2019

○ **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 as an oral long paper. (AC Rate=8.1%)

Research Assistant
SOME, Hong Kong Polytechnic University
Supervised by Dr. Wenjie Li

Hong Kong
Nov 2018 - May 2019

○ **Learning to Embed Sentences via Large Margin Classification for Text Matching**

We propose an alternate learning approach based on Large Margin Classification for text matching which could do class-wise optimize. The new training strategy allows our model to efficiently utilize all training samples.

Cunxiao Du, Wenjie Li, Sicheng Yu, Jing Jiang

Aiming at IJCAI

Summer Intern
Conversation AI, Tsinghua University
Supervised by Dr. Minlie Huang

Beijing
July 2017 - Sep 2017

○ **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

Preprint

HONOURS

- **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

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

SKILLS

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