付振新(Zhenxin Fu)

Peking University

- School of Electronics Engineering and Computer Science (EECS)
- Institute of Computer Science and Technology (ICST)

Phone: +86 15650708568
Email: fuzhenxin95@gmail.com
Github: `http://www.github.com/fuzhenxin`
Homepage: `https://zhenxinfu.com`

Personal

I am a first year graduate student at EECS and ICST, majoring in Computer Science and Natural Language Processing. I develop research interests in style transfer, dialog system and multi-task learning. I am also a member of the student cluster team of Peking University, knowing commonsense on popular developing tools.

Education

- **B.S. Computer Science, EECS, Peking University, 2014-2018** : Major in computer science, developing interest in network, database and parallel computing.

- **M.S. Candidate. Natural Language Processing, ICST, Peking University, 2018-Present** : Major in Natural Language Processing, developing interest in style transfer, open-domain conversation.

Competition & Internship

- **Student Cluster Competition at SC16 & SC17, 2016 & 2017** : I am in charge of reproducing results of a given paper on our own cluster. We are selected to contribute to a special issue of the journal, Parallel Computing, as one of the top teams from reproducibility challenge.

- **Tencent Beijing 2017.4–2017.8** : Test Engineer for virtual assistants & name entity recognition task using sequence labeling.

- **Alibaba Group 2018.8–Present** : Research Intern for Natural Languge Processing in AliMe Team.

Publications

- **Find a Reasonable Ending for Stories: Does Logic Relation Help the Story Cloze Test?** to appear in AAAI Student Abstract and Poster Program, 2019.
  *Mingyue Shang, **Zhenxin Fu**, Hongzhi Yin, Bo Tang, Dongyan Zhao, Rui Yan*
  Natural language inference is used to promote story cloze test.

- **Student Cluster Competition 2017, Team Peking University: Reproducing Vectorization of the Tersoff Multi-Body Potential on the Intel Broadwell Architecture**, in Parallel Computing (Journel), 2018.
  ***Zhenxin Fu**, Lei Yang, Wenbin Hou, Zhuohan Li, Yifan Wu, Yihua Cheng, Xiaolin Wang, Yun Liang*
  As the report of reproducibility challenge for the student cluster competition at SC17.

- **Learning to Converse with Noisy Data: Generation with Calibration**, in IJCAI-ECAI, 2018.
  *Mingyue Shang, **Zhenxin Fu**, Nanyun Peng, Yansong Feng, Dongyan Zhao, Rui Yan*
  Noise training cases harm trainnig process of generation-based dialog system. So we integrate instance weight into dialog system to overcome the problem.

- **One "Ruler" for All Languages: Multi-Lingual Dialogue Evaluation with Adversarial Multi-Task Learning**, in IJCAI-ECAI, 2018.
  *Xiaowei Tong, **Zhenxin Fu**, Mingyue Shang, Dongyan Zhao, Rui Yan*
  We apply multi-task learning in dialog evaluation.

- **Style Transfer in Text: Exploration and Evaluation**, in AAAI, 2018.
  ***Zhenxin Fu**, Xiaoye Tan, Nanyun Peng, Dongyan Zhao, Rui Yan*
  We propose unsupervised sequence to sequence model to transfer text from style A to style B. For example, converting paper title to news title.

- **ParConnect Reproducibility Report**, in Parallel Computing (Journal), 2017
  *Lei Yang, Yilong Li, **Zhenxin Fu**, Zhuohan Li, Wenbin Hou, Haoze Wu, Xiaolin Wang, Yun Liang*
  As the report of reproducibility challenge for the student cluster competition at SC16.

Last updated: February 24, 2019
`https://zhenxinfu.com/zhenxinfu.pdf`

付振新

北京大学

- 信息科学技术学院
- 计算机科学与技术研究所

手机: +86 15650708568
电子邮件: fuzhenxin95@gmail.com
Github: `http://www.github.com/fuzhenxin`
Homepage: `https://zhenxinfu.com`

简介

北京大学计算机科学技术研究所硕士一年级在读，研究方向为自然语言处理。感兴趣的研究领域包括文本风格迁移，开放域对话系统和多任务学习。同时，作为北大超算队队员，参加过SC16和SC17大学生超算比赛。

教育经历

- 学士学位 北京大学 信息科学技术学院 2014-2018 :专业为计算机科学与技术，对网络，数据库，并行计算等方向比较有兴趣.

- 硕士在读 北京大学 计算机科学技术研究所,专业为自然语言处理,对文本风格迁移，开放域对话系统比较有兴趣.

比赛和实习

- 大学生超算比赛**(SC16, SC17)**：在两次比赛中负责论文复现部分（在自有集群上复现一篇SC会议论文）。由于该项目上较高的成绩，我们受邀在期刊Parallel Computing上展示我们的复现报告。

- 腾讯北京 **2017.4–2017.8**：智能助手测试，命名实体识别.

- 阿里巴巴 **2018.8–Now**：阿里小蜜团队,研究型实习生.

论文

- **Find a Reasonable Ending for Stories: Does Logic Relation Help the Story Cloze Test?** to appear in AAAI Student Abstract and Poster Program, 2019.
  *Mingyue Shang, **Zhenxin Fu**, Hongzhi Yin, Bo Tang, Dongyan Zhao, Rui Yan*
  利用自然语言推理辅助故事结尾预测任务。

- **Student Cluster Competition 2017, Team Peking University: Reproducing Vectorization of the Tersoff Multi-Body Potential on the Intel Broadwell Architecture**, in Parallel Computing (Journel), 2018.
  ***Zhenxin Fu**, Lei Yang, Wenbin Hou, Zhuohan Li, Yifan Wu, Yihua Cheng, Xiaolin Wang, Yun Liang*
  为SC17大学生超算比赛的论文复现报告。

- **Learning to Converse with Noisy Data: Generation with Calibration**, in IJCAI-ECAI, 2018.
  *Mingyue Shang, **Zhenxin Fu**, Nanyun Peng, Yansong Feng, Dongyan Zhao, Rui Yan*
  对话数据含有大量的噪声，数据质量对模型效果有较大影响。本文提出将Instance Weight应用到对话生成，使不同质量的数据样本对模型更新有不同影响。

- **One "Ruler" for All Languages: Multi-Lingual Dialogue Evaluation with Adversarial Multi-Task Learning**, in IJCAI-ECAI, 2018.
  *Xiaowei Tong, **Zhenxin Fu**, Mingyue Shang, Dongyan Zhao, Rui Yan*
  将Multi-task思想引入到对话评测当中，不同语言之间互相促进。

- **Style Transfer in Text: Exploration and Evaluation**, in AAAI, 2018.
  ***Zhenxin Fu**, Xiaoye Tan, Nanyun Peng, Dongyan Zhao, Rui Yan*
  本文提出一种无监督的序列到序列模型，将一句话从一种风格转换为另一种风格。并且提出了两个评价指标作为对该研究方向的促进。

- **ParConnect Reproducibility Report**, in Parallel Computing (Journal), 2017
  *Lei Yang, Yilong Li, **Zhenxin Fu**, Zhuohan Li, Wenbin Hou, Haoze Wu, Xiaolin Wang, Yun Liang*
  为SC16大学生超算比赛的论文复现报告。