# Jieyu Zhao

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## RESEARCH INTERESTS

- Detecting potential stereotypes in machine learning models
- Developing computational approaches to enhance the fairness in NLP applications

## EDUCATION AND EXPERIENCE

**Ph.D. University of California, Los Angele**, CA, USA                    2017.09 - current
- Major: Natural Language Processing, Machine Learning; Dept. of Computer Science

**Ph.D. University of Virginia (withdrawal)**, VA, USA                    2016.08 - 2017.08
- Major: Natural Language Processing, Machine Learning; Dept. of Computer Science

**M.S. Beihang University**, Beijing, China                    2013.09 - 2016.01
- Major: Virtualization, Data Mining; School of Computer Science and Engineering

**B.S. Beihang University**, Beijing, China                    2009.09 - 2013.07
- Major: Computer Science and Engineering; School of Advanced Engineering

**DiDi Chuxing**                    2016.01 - 2016.05
- Intern, DiDi Chuxing Research, Beijing

**Microsoft**                    2019.06 - 2019.09
- Intern, Microsoft Research, Redmond

## PUBLICATIONS AND PATENT

### Publications

1. P. Zhou, W. Shi, **J. Zhao**, K.-H. Huang, M. Chen, K.-W. Chang. Examining Gender Bias in Languages with Grammatical Gender. Conference on Empirical Methods in Natural Language Processing & International Joint Conference on Natural Language Processing (EMNLP-IJCNLP), 2019

2. T. Sun, A. Gaut, S. Tang, Y. Huang, M. ElSherief, **J. Zhao**, M. Diba, B. Elizabeth, K.-W. Chang and W.Y. Wang. "Mitigating Gender Bias in Natural Language Processing: Literature Review. Association for Computational Linguistics (ACL), 2019

3. **J. Zhao**, T. Wang, M. Yatskar, R. Cotterell , V. Ordonez, K.-W. Chang. Gender Bias in Contextualized Word Embeddings. North American Chapter of the Association for Computational Linguistics (NAACL), 2019

4. **J. Zhao**, Y. Zhou, Z. Li, W. Wei, K.-W. Chang. Learning Gender Neutral Word Embeddings. Conference on Empirical Methods in Natural Language Processing (EMNLP), 2018

5. **J. Zhao**, T. Wang, M. Yatskar, V. Ordonez, K.-W. Chang. Gender Bias in Coreference Resolution: Evaluation and Debiasing Methods. North American Chapter of the Association for Computational Linguistics (NAACL), 2018

6. **J. Zhao**, T. Wang, M. Yatskar, V. Ordonez, K.-W. Chang. Men Also Like Shopping: Reducing Gender Bias Amplification using Corpus-level Constraints. Conference on Empirical Methods in Natural Language Processing (EMNLP), 2017 **(Best Long Paper Award)**

7. **J. Zhao**, J. Li, B. Zhou, F. Chen, P. Tomchik, W. Ju. Parallel Algorithms for Anomalous Subgraph Detection. Concurrency and Computation: Practice and Experience, 29(3), e3769. 2017

8. J. Li, **J. Zhao**, Y. Li, L. Cui, B. Li, L. Liu, J. Panneerselvam. iMIG: Toward an Adaptive Live Migration Method for KVM Virtual Machines. The Computer Journal, 58(6), 1227-1242. 2015

9. B. Shi, B. Li, L. Cui, **J. Zhao**, J. Li. SyncSnap: Synchronized Live Memory Snapshots of Virtual Machine Networks. IEEE International Conference on High Performance Computing and Communications (HPCC), 2014

   **Patent**
1. 1. B. Shi, B. Li, **J. Zhao**. An Algorithm for the Migration of ARM Virtual Machines. Patent Number: 83995027CN0. (submitted)

## TALKS

- Grace Hopper Celebration, September 2018
- NLP highlights podcast, August 2018
- Mid-Atlantic Student Colloquium on Speech, Language and Learning (MASC-SLL), May 2017

## PROFESSIONAL ACTIVITIES

Program Committee/Reviewer:
- Secondary reviewer EMNLP 2018
- NLPCC-English 2018
- NLPCC-Chinese 2018

## TEACHING EXPERIENCE

**University of Virginia**
- Teaching Assistant, Algorithm, Kong-Cheng Wong. 2017 Spring
- Teaching Assistant, Software Development Methods, Nada Basit and David Edwards. 2017 Spring
- Teaching Assistant, Algorithm, Gabriel Robins. 2016 Fall
- Teaching Assistant, Discrete Math, David Edwards. 2016 Fall

## HONORS, AWARDS, AND SCHOLARSHIPS

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| 1. SoCalNLP Symposium 2018 **Best Poster Award** | | 2018 |
| 2. UCLA **Graduate Division Fellowships** | | 2017 |
| 3. EMNLP 2017 **Best Long Paper Award** | | 2017 |
| 4. **Outstanding Graduate of Beijing City** | | 2016 |
| 5. Master Thesis Award | | 2016 |
| 6. 2nd Prize University Level Scholarship | 2013, 2014, 2015 | |
| 7. **Outstanding Graduate**, Beihang University. 6/236. | | 2014 |
| 8. **National Scholarship**. 2/236. | | 2014 |
| 9. The Award of "**Outstanding Graduates**" of Beihang University | | 2013 |
| 10. **Special Scholarship** for Freshmen. Top 6 of all freshmen (around 3000). | | 2009 |