

Jieyu Zhao

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SUMMARY

Strength in mathematics, programming and writing skills. Proven research ability. Honest and easy-going. **National Scholarship. EMNLP 2017 Best Long Paper Award.** Look for research internship in ML/NLP.

EDUCATION

- Ph.D. University of California, Los Angeles, CA, USA** 2017.09-
▪ Major: Natural Language Processing, Machine Learning; Dept. of Computer Science
- Ph.D. University of Virginia, VA, USA** 2016.08-2017.08
▪ Major: Natural Language Processing, Machine Learning; Dept. of Computer Science
▪ GPA: **4.0/4.0**
- M.S. Beihang University, Beijing, China** 2013.09-2016.01
▪ Major: Virtualization, Data Mining; School of Computer Science and Engineering
▪ GPA: **3.87/4.0**
- B.S. Beihang University, Beijing, China** 2009.09-2013.07
▪ Major: Computer Science and Engineering; School of Advanced Engineering
▪ GPA: **3.45/4.0** **Major GPA: 3.72**

PUBLICATION AND PATENT

- Learning Gender Neutral Word Embeddings** 2018
▪ Jieyu Zhao, Yichao Zhou, Zeyu Li, Wang Wei, Kai-Wei Chang. EMNLP 2018
- Gender Bias in Coreference Resolution: Evaluation and Debiasing Methods** 2018
▪ Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang. NAACL 2018
- Men Also Like Shopping: Reducing Gender Bias Amplification using Corpus-level Constraints (Best Long Paper Award)** 2017.07
▪ Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang. EMNLP 2017
- Parallel Algorithms for Anomalous Subgraph Detection** 2016.01
▪ Jieyu Zhao, Jianxin L., Baojian Z., Feng C., Paul T., Wuyang J.. Concurrency and Computation: Practice and Experience Journal.
- SyncSnap: Synchronized Live Memory Snapshots of Virtual Machine Networks** 2014.08
▪ Bin S., Bo L., Lei C., Jieyu Zhao, Jianxin L. 2014 IEEE International Conference on High Performance Computing and Communications
- iMIG: Toward an Adaptive Live Migration Method for KVM Virtual Machines** 2014.07
▪ Jianxin L., Jieyu Zhao, Yi L., Lei C., Bo L., Lu L., John P. The Computer Journal
- An Algorithm for the Migration of ARM Virtual Machines** 2014.04
▪ Bin S., Bo L., Jieyu Zhao. Patent Number: 83995027CN0. (submitted)

RESEARCH AND PROFESSIONAL EXPERIENCES

- Research of Reducing Gender Bias in Word Embeddings** 2018.04-2018.06
▪ Reduce the gender bias during the training time
▪ Increase the interpretability of word embeddings
- Research of Reducing Gender Bias in Coreference System** 2017.06-2018.03
▪ Visualized the gender bias problem in coreference systems
▪ Proposed adversarial algorithms to reduce the bias
- Research of Reducing Gender Bias in Structured Prediction, UVA, VA** 2016.09-2017.04
▪ Verified gender bias amplification issues in modern vision-and-language systems.
▪ Proposed an efficient method based on corpus-level constraints.

- Adopted Lagrangian Relaxation algorithm to realize the calibration.
 - Published in EMNLP 2017, won the “**Best Long Paper Award**”
- Research of Changes in words’ meaning, UVA** 2016.08-2016.09
- Using similarity between words to detect the changes in the meaning.
- Algorithm Engineer Intern, Didi Chuxing, Beijing , China** 2016.01-2016.05
- Made features selections from raw dataset for future prediction.
 - Applied machine learning algorithms to models for customers’ behavior prediction.
- Research of Anomalous Subgraph Detection, Beihang University, Beijing, China** 2015.03-2016.01
- Reformulated ASD problem as a non-parametric scan statistic maximization problem. Innovated anomaly detection by each node’s p-value in the graph.
 - Approximated ASD object function as a non-monotone submodular function. Adopted connected-component-related factor as the connectivity constraint.
 - Proposed parallel frameworks for the ASD problem, **published one paper.**
- Research of Live Migration of VMs, Beihang University, Beijing, China** 2013.03-2014.09
- Analyzed KVM live migration, found out parameters influencing the migration performance.
 - Proposed adaptive migration strategy to avoid redundant migration time.
 - Improved the precision of calculating the migration speed in KVM, **published one paper.**
- Research of Source Code Analysis, Beihang University, Beijing, China** 2012.03-2012.05
- Assessed the source code of the software and found out vulnerability.
 - Located the break down location in the assembler code by OllyDbg.

HONORS, AWARDS AND SCHOLARSHIPS

- SoCal NLP 2018 **Best Poster Award** 2018
- EMNLP 2017 **Best Long Paper Award** 2017
- **Outstanding Graduate of Beijing City** 2016
- 2nd Prize University Level Scholarship 2013, 2014, 2015
- **Outstanding Graduate. 6/236.** 2014
- **National Scholarship. 2/236.** 2014
- The Award of “**Outstanding Graduates**” of Beihang University 2013
- **Special Scholarship** for Freshmen. Top 6 of all freshmen (around 3000). 2009

MISCELLANEOUS

- Proficient Python and pandas. Worked with Java and C. Experience on Linux, Hadoop and parallel programming.
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