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**.

EDUCATION

Ph.D. University of California, Los Angeles, CA, USA 2017.09-
- Major: Natural Language Processing, Machine Learning

Ph.D. University of Virginia, VA, USA 2016.08-2017.08
- Major: Natural Language Processing, Machine Learning
- 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**

RESEARCH AND PROFESSIONAL EXPERIENCES

Research of Reducing Gender Bias in Coreference System 2017.06-Present
- 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.

PUBLICATION AND PATENT

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)

HONORS, AWARDS AND SCHOLARSHIPS

- 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.