

Tianlu Wang

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RESEARCH INTERESTS

My research focuses on the intersection of computer vision and natural language processing. More recently, I am also interested in exploring fairness and accountability in machine learning applications.

EDUCATION

University of Virginia, Charlottesville, Virginia, USA

- Ph.D. in Computer Science Aug 2016 – present
 - Advisor: Prof. Vicente Ordonez Roman
 - Focus: Computer Vision, Deep Learning, Natural Language Processing

Zhejiang University, Hangzhou, Zhejiang, China

- B.Eng. in Computer Science and Technology Aug 2012 – Jun 2016
 - Advisor: Prof. Fei Wu
 - Thesis: Active Learning of Name Tagger for Low-Resource Languages

EXPERIENCE

eBay Research Labs, San Francisco, CA

- Research Intern, Computer Vision group May 2018 – Aug 2018

Rensselaer Polytechnic Institute, Troy, NY

- Research Intern, NLP group
- Focus: Active learning on low-resource languages
- Advisor: Prof. Heng Ji Aug 2015 – Feb 2016

Research Institute of NetEase, Hangzhou, China

- Research Intern, Multi-Media group
- Focus: Language tokenization Feb 2016 – May 2016

Epiclouds, Hangzhou, China

- Software Engineering Intern
- Focus: Website backend development May 2016 – Aug 2016

PUBLICATIONS

CONFERENCES

- [1] **Tianlu Wang**, Kota Yamaguchi, Vicente Ordonez. “*Feedback-prop: Convolutional Neural Network Inference under Partial Evidence*”, Intl. Conference on Computer Vision and Pattern Recognition. **CVPR 2018**. Salt Lake City, Utah.
- [2] Jieyu Zhao, **Tianlu Wang**, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang. “*Gender Bias in Coreference Resolution: Evaluation and Debiasing Methods*”, North American Chapter of the Association for Computational Linguistics. **NAACL 2018** short. New Orleans, Louisiana.
- [3] Jieyu Zhao, **Tianlu Wang**, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang. “*Men Also Like Shopping: Reducing Gender Bias Amplification using Corpus-level Constraints*”, Empirical Methods in Natural Language Processing. **EMNLP 2017**. Copenhagen, Denmark. **Best Long Paper Award**
- [4] Boliang Zhang, Xiaoman Pan, **Tianlu Wang**, Ashish Vaswani, Heng Ji, Kevin Knight and Daniel Marcu, “*Name Tagging for Low-resource Incident Languages based on Expectation-driven Learning*”, The North American Chapter of the Association for Computational Linguistics, **NAACL-HLT 2016**

AWARDS & SCHOLARSHIPS

- Best Long Paper Award
 - Intl. Conf. on Empirical Methods in Natural Language Processing (EMNLP) 2017
- First Prize, Scholarship for Outstanding Students Basic Disciplines 2013– 2015
- Excellent All-around Student 2013– 2015
- Second Prize, Scholarship for Outstanding Students 2013– 2015
- Second Prize, Scholarship for Outstanding Merits 2013– 2015

**PROFESSIONAL
SERVICE**

Conference

- Volunteer: VLDB 2014

Sep 2014

Teaching

- Teaching Assistant: Software Development Methods(UVA CS 2110)
- Teaching Assistant: Electronic Commerce(UVA CS 4753)
- Teaching Assistant: Vision & Language(UVA CS 6501-004)
- Teaching Assistant: Computational Visual Recognition(UVA CS 6501-009)

Aug 2016– May 2017

Aug 2016– Dec 2016

Jan 2017– May 2017

Aug 2017– Dec 2017

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