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Chao Jiang

CONTACT INFORMATION

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RESEARCH INTERESTS

Natural Language Processing, Machine Learning and Social Media

EDUCATION

The Ohio State University — Columbus, OH
Ph.D. student in Computer Science and Engineering — 08/2018 - present
Advisor: Professor Wei Xu

University of Virginia — Charlottesville, VA
Master in Computer Science — 08/2016 - 05/2018
GPA: 3.97

Tianjin University — Tianjin, China
Bachelor of Engineering in Communication Engineering — 09/2011 - 07/2015
GPA: 83.12/100 (87.27/100 in junior and senior years)

PUBLICATIONS

[1] Neural CRF Model for Sentence Alignment in Text Simplification
Chao Jiang, Mounica Maddela, Wuwei Lan, Yang Zhong and Wei Xu
ACL 2020, long paper (acceptance rate 22.7%)

[2] Discourse Level Factors for Sentence Deletion in Text Simplification
Yang Zhong, **Chao Jiang**, Wei Xu and Junyi Jessy Li
AAAI 2020, long paper (acceptance rate 20.6%; oral presentation)

[3] Learning Word Embeddings for Low-Resource Languages by PU Learning
Chao Jiang, Hsiang-Fu Yu, Cho-Jui Hsieh and Kai-Wei Chang
NAACL-HLT 2018, long paper (oral presentation)

RESEARCH EXPERIENCE

Neural CRF Model for Sentence Alignment — 08/2018 - 05/2020
Ph.D. Research Project at The Ohio State University

- Develop a neural CRF sentence alignment model and a paragraph alignment algorithm to accurately align sentences between complex-simple parallel articles pairs.
- Create two manually annotated sentence-aligned datasets that enable the first systematic study for training and evaluating monolingual sentence alignment.
- Construct two text simplification datasets which are of higher quality and largest to date in their respective domains.

PU Learning for Word Embedding — 01/2017 - 12/2017
Research Project at the University of Virginia

- Leverage Positive and Unlabeled (PU) Learning approach to improve word embedding models in the low-resource languages.

AWARDS

- AAAI-2020 Student Scholarship — 2020
- Outstanding Graduate Thesis in Tianjin University (top 5% in university) — 2015
- Honorable Mention Prize of Mathematical Contest in Modeling (MCM) — 2014

- Second Prize of China Undergraduate Mathematical Contest in Modeling(CUMCM) (top 2% in China) 2013
- Merit Student Scholarship in School of Electronic Information Engineering (top 15% in school) 2013

ACADEMIC ACTIVITIES

- **Guest Lecturer** at CSE 5525 Speech and Language Processing 02/2020
- **Poster presentation** at OSU CSE Student Research Poster Exhibition 02/2020
- **Poster presentation** at Mid-Atlantic Student Colloquium on Speech, Language and Learning 05/2017
- **Teaching Assistant**
  - CSE 2331 Data Structures and Algorithms 08/2018 - 12/2018, The Ohio State University
  - CS 4501-003 Machine Learning 01/2018 - 05/2018, University of Virginia
- **Reviewer** for ACL 2020, 2019; AAAI 2020; COLING 2020

REFERENCES

Professor Wei Xu
- Assistant Professor, Department of Computer Science and Engineering at The Ohio State University
- **Email:** weixu@cse.ohio-state.edu
- **Homepage:** https://cocoxu.github.io/

Professor Kai-Wei Chang
- Assistant Professor, Department of Computer Science at University of California, Los Angeles
- **Email:** kw@kwchang.net
- **Homepage:** http://kwchang.net/

Professor Cho-Jui Hsieh
- Assistant Professor, Department of Computer Science at University of California, Los Angeles
- **Email:** chohsieh@cs.ucla.edu
- **Homepage:** http://web.cs.ucla.edu/~chohsieh/