

Chao Jiang

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 Atlanta, GA 30308 <https://chaojiang06.github.io/>

RESEARCH INTERESTS Natural Language Processing, Machine Learning and Social Media

EDUCATION

<i>Georgia Institute of Technology</i>	Atlanta, GA
Ph.D. student in Computer Science	08/2020 - present
Advisor: Professor Wei Xu	
<i>The Ohio State University</i>	Columbus, OH
Ph.D. student in Computer Science and Engineering	08/2018 - 08/2020
Advisor: Professor Wei Xu	
<i>University of Virginia</i>	Charlottesville, VA
Master in Computer Science	08/2016 - 05/2018
GPA: 3.97	
<i>Tianjin University</i>	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

<i>Neural CRF Model for Sentence Alignment</i>	08/2018 - 05/2020
Ph.D. Research Project at The Ohio State University	
<ul style="list-style-type: none"> • 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. 	
<i>PU Learning for Word Embedding</i>	01/2017 - 12/2017
Research Project at the University of Virginia	
<ul style="list-style-type: none"> • Leverage Positive and Unlabeled (PU) Learning approach to improve word embedding models in the low-resource languages. 	

PROJECT EXPERIENCE	<i>Event Extraction from Arabic Text</i> (<i>BETTER</i>) Funding Project at Georgia Tech	06/2020 - present
	<ul style="list-style-type: none"> • Collaborate with researchers from Brown University and University of Pennsylvania to develop techniques that can better extract and retrieve information across multiple languages and problem domains. • Develop a 5-stage pipeline system to extract events from Arabic text using transfer learning techniques and further boost the performance with an ensemble approach. • Routinely handle evaluation on information extraction and achieve the 2nd place in the basic evaluation. 	
AWARDS	<ul style="list-style-type: none"> • AAI-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	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> – 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; AAI 2020; COLING 2020 	
REFERENCES	<p>Professor Wei Xu</p> <ul style="list-style-type: none"> • Assistant Professor, Department of Computer Science and Engineering at The Ohio State University • Email: weixu@cse.ohio-state.edu • Homepage: https://cocoxu.github.io/ <p>Professor Kai-Wei Chang</p> <ul style="list-style-type: none"> • Assistant Professor, Department of Computer Science at University of California, Los Angeles • Email: kw@kwchang.net • Homepage: http://kwchang.net/ <p>Professor Cho-Jui Hsieh</p> <ul style="list-style-type: none"> • Assistant Professor, Department of Computer Science at University of California, Los Angeles • Email: chohsieh@cs.ucla.edu • Homepage: http://web.cs.ucla.edu/~chohsieh/ 	