

# 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 Jessie 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"> <li>Develop a neural CRF sentence alignment model and a paragraph alignment algorithm to accurately align sentences between complex-simple parallel articles pairs.</li> <li>Create two manually annotated sentence-aligned datasets that enable the first systematic study for training and evaluating monolingual sentence alignment.</li> <li>Construct two text simplification datasets which are of higher quality and largest to date in their respective domains.</li> </ul>	
<i>PU Learning for Word Embedding</i>	01/2017 - 12/2017
Research Project at the University of Virginia	
<ul style="list-style-type: none"> <li>Leverage Positive and Unlabeled (PU) Learning approach to improve word embedding models in the low-resource languages.</li> </ul>	

- PROJECT EXPERIENCE**      *Event Extraction from Arabic Text (BETTER)*      06/2020 - present  
 Funding Project at Georgia Tech
- 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**
- 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**
- **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; AAI 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](mailto: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](mailto: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](mailto:chohsieh@cs.ucla.edu)
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