

# HANG JIANG

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## EDUCATION

**Stanford University**, Palo Alto, CA Sept. 2018 - Exp. Jun. 2020  
M.S. in Symbolic Systems, *focus on AI and Cognitive Science* GPA: 4.00/4.00  
Advisor: Michael C. Frank

**Emory University**, Atlanta, GA Aug. 2014 - May. 2018  
B.S. in Computer Science and B.A. in Linguistics, *Summa Cum Laude*  
Advisor: Jinho D. Choi

## RESEARCH INTEREST

- Machine Learning, Natural Language Processing, Computational Linguistics
- Computational Cognitive Science, Computational Social Science
- Language Variation and Change, Social Reasoning, Language Acquisition
- AI for Social Good in Education, Mental Health, and Sustainable Development

## PUBLICATIONS (\* = Equal Contribution)

Zhou, Sharon; Jiequan Zhang; **Hang Jiang**; Torbjorn Lundh; and Andrew Ng. 2020. Data augmentation with Möbius transformations. *International Conference on Machine Learning (ICML 2020)*. Vienna, Austria. [Under Review](#) [paper]

**Jiang, Hang**; Michael C. Frank; Vivek Kulkarni; and Abdellah Fourtassi. 2020. Exploring Patterns of Stability and Change in Caregivers' Word Usage Across Early Childhood. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*. Toronto, Canada. [Under Review](#) [paper, github]

**Jiang, Hang**; Xianzhe Zhang; and Jinho D. Choi. 2019. Automatic Text-based Personality Recognition on Monologues and Multiparty Dialogues Using Attentive Networks and Contextual Embeddings. To appear in *Proceedings of the 34th AAAI Conference on Artificial Intelligence: Student Abstract and Poster Program, of AAAI:SAP'19*. New York, USA. [Spotlight Presentation \(20/287\)](#). [paper, github, data]

**Jiang, Hang\***; Haoshen Hong\*; Yuxing Chen\*; and Vivek Kulkarni. 2019. Dialect-Gram: Detecting Dialectal Variation at Multiple Geographic Resolutions. *Proceedings of the Society for Computation in Linguistics:: Vol. 3, Article 13*. New Orleans: Linguistic Society of America. [Oral Presentation](#). [paper, github, data]

**Jiang, Hang**; and Jinho D. Choi. 2018. Automatic Personality Prediction with Attention-based Neural Networks. *Electronic Theses and Dissertations*, Emory University, Atlanta, GA. [Highest Honors](#). [paper, github]

## TALKS & PRESENTATIONS

**Jiang, Hang**; and Roberto Franzosi. 2018. Shape of Stories. *Emory SIAM Student Chapter Event "Bridging the Gap: Math across Emory"*, Atlanta, GA. [slides]

**Jiang, Hang**; Doris Zhou; Alec Wolyniec; and Roberto Franzosi. 2017. Automatic Extraction of Actors and Actions from News Stories of Lynching. *Mini-Conference:*

*Lynching in Historical Perspective, Atlanta, GA.* [[slides](#)]

Zhou, Doris; **Hang Jiang**; and Roberto Franzosi. 2017. He, She, They... Who Are They? Automatic and Semi-Automatic Anaphora Resolution. *Mini-Conference: Lynching in Historical Perspective, Atlanta, GA.* [[slides](#)]

Xiao, Catherine; **Hang Jiang**; and Jinho D. Choi. 2017. Seq2seq Model to Tokenize the Chinese Language. *Emory Undergraduate Research Symposium in Fall, Atlanta, GA.* [[poster](#)]

**Jiang, Hang**; and Jinho D. Choi. 2016. Chinese Grammar vs English Grammar in Universal Dependency. *Emory Undergraduate Research Symposium in Spring, Atlanta, GA.* [[poster](#)]

## INDUSTRY EXPERIENCE

**Apple Inc.**, Cupertino, California Jun. 2019 - Sept. 2019  
*Machine Learning Applied to Natural Language Processing Intern*  
Supervisors: Bing Zhao, Vivek Kumar Rangarajan Sridhar

**Educational Testing Service (ETS)**, Princeton, NJ Jun. 2018 - Aug. 2018  
*Natural Language Processing Intern*  
Supervisors: Martin Chodorow, Nitin Madnani, Aoife Cahill

## EXTRA- CURRICULAR ACTIVITIES

Activity Manager, Chinese Entrepreneurship Organization (CEO)	2018-2020
Member, Symbolic Systems Society at Stanford	2018-2020
Member, Association of Chinese Students and Scholars at Stanford	2018-2020
Vice President in Public Management, Emory Linguistics Circle	2017
Campus Leader, Emory Bread House	2016-2017
Member, Structured Independent Language Study (SILS) Program	2016-2017
Vice President in Management, Sino-Emory Newsletter	2017

## HONORS

<b>Student Scholar</b> , AAI-20 Student Scholarship Program	2019
<b>Grants for Education And Research (GEAR)</b> , Stanford Research Funding	2019
<b>Best Poster</b> , CS224n NLP with Deep Learning Final Project (Chris Manning)	2019
<b>Highest Honors</b> , Honors Thesis Program in Linguistics at Emory University	2018
<b>Phi Sigma Iota Honor Society</b> , International Foreign Language Studies	2017
<b>Research Fellowship</b> , Scholarly Inquiry and Research at Emory Program	2016
<b>Research Fellowship</b> , Scholarly Inquiry and Research at Emory Program	2015

## TEACHING

**Teaching Assistant:**  
CS 384: Ethical and Social Issues in NLP, Stanford University (Spring 2020)  
Instructor: Dan Jurafsky  
CS224n: NLP with Deep Learning, Stanford University (Winter 2020)  
Instructor: Christopher Manning  
CS 145 Data Management and Data Systems, Stanford University (Autumn 2019)  
Instructor: Shiva Shivakumar

## SKILLS

**Programming Languages:**  
Python, C/C++, Java, SQL, R, Javascript, Swift, HTML/CSS, M68000 Assembly  
**Frameworks & Tools:**  
PyTorch, Tensorflow, Android, iOS, JQuery, Git, LaTeX