



# Shan Jiang | Curriculum Vitae











10865 Willows Rd, 02.B.07A, Redmond, WA 98052

☎ (+1) 781-502-8799 | ✉ shanj@fb.com | 🏠 shanjiang.me | 🖨️ printfoo | 🌐 shan-jiang

## Education

-  **Northeastern University** Boston, MA  
*Ph.D. in Computer Science* | Advisor: Christo Wilson Sep 2016 - Jul 2021
-  **Beijing University of Posts and Telecommunications** Beijing, China  
*B.B.A. in Management Information Systems* | Rank: 1/46 Sep 2012 - Jul 2016

## Experience

-  **Reality Labs, ** Redmond, WA  
*Research Scientist @ On-Device NLU and Dialog, Assistant AI Team* Aug 2021 - Now  
• Natural language understanding and dialog modeling for reliable and privacy-preserving conversational AI assistant.
-  **Facebook, ** Seattle, WA  
*Machine Learning Intern @ Illicit Trade, Dangerous Content Team* Jun 2020 - Sep 2020  
• Weak supervision and multitask learning for detecting illicit trade posts, [productionized](#).
-  **Google AI, ** New York, NY  
*Software Engineer intern @ Fact Check, Structured Data Team* Jun 2019 - Aug 2019  
• Information extraction from fact-checking articles with BERT, [productionized](#) and published at [WWW'20](#).
-  **Dataminr** New York, NY  
*Research Intern @ AI and Data Science Team* Feb 2019 - Apr 2019  
• Crisis sub-event detection for emergency management via dependency parsing, published at [AISG'19@ICML](#).
-  **Northeastern University** Boston, MA  
*Research and Teaching Assistant @ Khoury College of Computer Sciences* Sep 2016 - Jul 2021  
• Research on misinformation, algorithmic bias, computational social science, and natural language processing.  
• [Award-winning](#) publications at [ACL'21](#), [AAAI'20](#), [CSCW'18](#), [ICWSM'19/20](#), [WWW'18/19](#), etc.
-  **National University of Singapore** Singapore  
*Research Assistant @ School of Computing* Dec 2015 - May 2016  
• Economic modeling of cryptocurrency mining behaviors under risk aversion.
-  **Beijing University of Posts and Telecommunications** Beijing, China  
*Research Assistant @ Institute of Network Technology* Oct 2013 - Dec 2015  
• Game-theoretic modeling of overlay networks and traffic engineering, published at [GlobeCom'15](#), [LCN'15](#), etc.

## Publications

- Structurizing Misinformation Stories via Rationalizing Fact-Checks** ACL'21  
[Shan Jiang](#) and Christo Wilson acceptance rate: 21%  
*In Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL), 2021*
- Building and Auditing Fair Algorithms: A Case Study in Candidate Screening** FAccT'21  
Christo Wilson, Avijit Ghosh, [Shan Jiang](#), Alan Mislove, Lewis Baker, Janelle Szary, Kelly Trindel and Frida Polli acceptance rate: 25%  
*In Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FAccT), 2021*
- From Dark to Light: The Many Shades of Sharing Misinformation Online** MaC'21  
Miriam Metzger, Andrew Flanagin, Paul Mena, [Shan Jiang](#) and Christo Wilson journal paper  
*Media and Communication 9(1), 2021*
- Modeling and Measuring Expressed (Dis)belief in (Mis)information** ICWSM'20  
[Shan Jiang](#), Miriam Metzger, Andrew Flanagin and Christo Wilson acceptance rate: 17%  
*In Proceedings of the International AAAI Conference on Web and Social Media (ICWSM), 2020*
- Factoring Fact-Checks: Structured Information Extraction from Fact-Checking Articles** WWW'20  
[Shan Jiang](#), Simon Baumgartner, Abe Ittycheriah and Cong Yu acceptance rate: 19%  
*In Proceedings of the Web Conference (WWW), 2020*

## Reasoning about Political Bias in Content Moderation

[Shan Jiang](#), Ronald E Robertson and Christo Wilson  
In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 2020

AAAI'20  
invited paper: 100%

## Bias Misperceived: The Role of Partisanship and Misinformation in YouTube Comment Moderation

[Shan Jiang](#), Ronald E Robertson and Christo Wilson  
In *Proceedings of the International AAAI Conference on Web and Social Media (ICWSM)*, 2019

ICWSM'19  
*outstanding analysis paper: 0.4%* | acceptance rate: 21%

## Crisis Sub-Events on Social Media: A Case Study of Wildfires

[Shan Jiang](#), William Groves, Sam Anzaroot and Alejandro Jaimes  
In *Proceedings of the AI for Social Good Workshop (AISG@ICML)*, 2019

AISG'19@ICML  
oral presentation: 18%

## Auditing Autocomplete: Suggestion Networks and Recursive Algorithm Interrogation

Ronald E Robertson, [Shan Jiang](#), David Lazer and Christo Wilson  
In *Proceedings of the ACM Web Science Conference (WebSci)*, 2019

WebSci'19  
acceptance rate: 24%

## Auditing the Partisanship of Google Search Snippets

Desheng Hu, [Shan Jiang](#), Ronald E Robertson and Christo Wilson  
In *Proceedings of the Web Conference (WWW)*, 2019

WWW'19  
acceptance rate: 18%

## Who's the Guinea Pig? Investigating Online A/B/n Tests in-the-Wild

[Shan Jiang](#), John Martin and Christo Wilson  
In *Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FACCT)*, 2019

FACCT'19  
acceptance rate: 24%

## Linguistic Signals under Misinformation and Fact-Checking: Evidence from User Comments on Social Media

[Shan Jiang](#) and Christo Wilson  
*Proceedings of the ACM: Human-Computer Interaction (PACM HCI)*, 2(CSCW), 2018

CSCW'18  
acceptance rate: 26%

## Auditing Partisan Audience Bias within Google Search

Ronald E Robertson, [Shan Jiang](#), Kenneth Joseph, Lisa Friedland, David Lazer and Christo Wilson  
*Proceedings of the ACM: Human-Computer Interaction (PACM HCI)*, 2(CSCW), 2018

honorabile mention: 2.7% | acceptance rate: 26%

CSCW'18

## On Ridesharing Competition and Accessibility: Evidence from Uber, Lyft, and Taxi

[Shan Jiang](#), Le Chen, Alan Mislove and Christo Wilson  
In *Proceedings of the Web Conference (WWW)*, 2018

WWW'18  
acceptance rate: 15%

## Conflicts in Overlay Environments: Inefficient Equilibrium and Incentive Mechanism

Jianxin Liao, Jun Gong, [Shan Jiang](#), Tonghong Li and Jingyu Wang  
*KSII Transactions on Internet and Information Systems*, 10(5), 2016

KSII-TIIS'16  
journal paper

## Interactions of Overlays and Traffic Engineering: Equilibrium and Cooperation without Payment

[Shan Jiang](#), Jun Gong, Jingyu Wang, Jianxin Liao and Tonghong Li  
In *Proceedings of the IEEE Global Communications Conference (GlobeCom)*, 2015

GlobeCom'15  
acceptance rate: 35%

## Competitive Equilibrium and Stable Coalition in Overlay Environments

[Shan Jiang](#), Jianxin Liao, Jun Gong, Jingyu Wang and Tonghong Li  
In *Proceedings of the IEEE Conference on Local Computer Networks (LCN)*, 2015

LCN'15  
acceptance rate: 30%

## Combination Feature for Image Retrieval in the Distributed Datacenter

Di Yang, Jianxin Liao, Qi Qi, Jingyu Wang, Haifeng Sun and [Shan Jiang](#)  
In *Proceedings of the IEEE International Conference on Parallel and Distributed Systems (ICPADS)*, 2014

ICPADS'14  
acceptance rate: 30%

## Service

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### Associate Chair

CSCW 2021

### Program Committee & Reviewer

AAAI, CSCW, ICWSM, NeurIPS, WebSci 2021

CHI, CSCW, ICWSM, WebSci 2020

ASONAM, CHI, CSCW, ICWSM 2019

CSCW, WWW 2018