

Sihao Chen

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Research Interests

My research lies in the intersection of *Machine Learning* and *Natural Language Understanding*. I am generally interested in developing NLP tools for understanding information sources (e.g. Perspective differences among authors/sources), and the implications of the text they produce.

Education

Ph.D. student in Computer Science Jun. 2019 - present
University of Pennsylvania
Advisor: Dan Roth
GPA: 3.98

B.S. in Computer Engineering *with Honor* Aug. 2014 - Jan. 2018
University of Illinois at Urbana Champaign
GPA: 3.60/4.0

Experience

Research Intern May 2021 - August 2021
Google Research
Topic: Claim Identification in News Documents

Research Intern May 2020 - August 2020
Google, AdsAI Team
Topic: Faithfulness in Abstractive Summarization

Software Engineering Intern May 2015 - August 2015
FNDsoft (now part of the China Pacific Insurance Company) Shanghai, China

Publications

1. Improving Faithfulness in Abstractive Summarization with Contrast Candidate Generation and Selection

- Sihao Chen**, Fan Zhang, Kazuo Sone and Dan Roth
In NAACL, 2021
2. MULTIOPEd: A Corpus of Multi-Perspective News Editorials
Siyi Liu, **Sihao Chen**, Xander Uyttendaele and Dan Roth
In NAACL, 2021
 3. Evaluating NLP Models via Contrast Sets
Matt Gardner, Yoav Artzi, Victoria Basmova, Jonathan Berant, Ben Bogin, **Sihao Chen**, Pradeep Dasigi, Dheeru Dua, Yanai Elazar, Ananth Gottumukkala, Nitish Gupta, Hanna Hajishirzi, Gabriel Ilharco, Daniel Khashabi, Kevin Lin, Jiangming Liu, Nelson F. Liu, Phoebe Mulcaire, Qiang Ning, Sameer Singh, Noah A. Smith, Sanjay Subramanian, Reut Tsarfaty, Eric Wallace, Ally Zhang and Ben Zhou.
In EMNLP Findings, 2020
 4. Navigating Information Pollution: Penn's COVID-19 Information Platform
Sihao Chen*, Xander Uyttendaele* and Dan Roth.
The Responsible Data Summit, Spotlight, 2020
 5. Do VQA Models Know What To Look At?
Weiyu Du, **Sihao Chen**, Yijie Zhao, Jianbo Shi and Dan Roth.
Women in CV (WiCV) Workshop, ECCV, 2020
 6. PerspectroScope: A Window to the World of Diverse Perspectives
Sihao Chen, Daniel Khashabi, Chris Callison-Burch and Dan Roth.
ACL (Demo), 2019
 7. See Things from a Different Angle: Discovering Diverse Perspectives about Claims
Sihao Chen, Daniel Khashabi, Wenpeng Yin, Chris Callison-Burch and Dan Roth.
NAACL, 2019

Teaching

As *Teaching Assistant* –
Spring 2020, *Computational Linguistics*, Instructor: Chris Callison-Burch

Invited Talks

1. "Towards Automatic Discovery of Diverse Perspectives"
At *Mid-Atlantic Student Colloquium on Speech, Language and Learning*
University of Maryland College Park, March 2020

Professional Service

As Program Committee –

AAAI (2020, 2021), EMNLP (2019, 2020, 2021), ACL (2021, 2019), ACL Student Research Workshop (2019), IJCAI (2020), NAACL (2019, secondary), Computational Linguistics (2019, secondary)