

XIAOCHUANG HAN (Han)

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EDUCATION

University of Washington

September 2021 - Present

Ph.D. in Computer Science and Engineering

Advisor: Yulia Tsvetkov

Carnegie Mellon University

August 2019 - August 2021

M.S. in Language Technologies

Advisor: Yulia Tsvetkov

Georgia Institute of Technology

August 2015 - May 2019

B.S. in Computer Science, Minor in Mathematics

Advisor: Jacob Eisenstein

PUBLICATIONS

[1] *Fortifying Toxic Speech Detectors Against Veiled Toxicity*

Xiaochuang Han and Yulia Tsvetkov.

EMNLP 2020 (short)

[2] *Explaining Black Box Predictions and Unveiling Data Artifacts through Influence Functions*

Xiaochuang Han, Byron C. Wallace, and Yulia Tsvetkov.

ACL 2020 (long)

[3] *Unsupervised Domain Adaptation of Contextualized Embeddings for Sequence Labeling*

Xiaochuang Han and Jacob Eisenstein.

EMNLP 2019 (long)

[4] *No Permanent Friends or Enemies: Tracking Dynamic Relationships between Nations from News*

Xiaochuang Han, Eunsol Choi, and Chenhao Tan.

NAACL 2019 (long)

[5] *Mind Your POV: Convergence of Articles and Editors Towards Wikipedia's Neutrality Norm*

Umashanthi Pavalanathan, **Xiaochuang Han**, and Jacob Eisenstein.

CSCW 2018

[6] *Interactional Stancetaking in Online Forums*

Scott Kiesling, Umashanthi Pavalanathan, Jim Fitzpatrick, **Xiaochuang Han**, and Jacob Eisenstein.

Computational Linguistics, September 2018

[7] *Predicting the Suitability of Service Animals Using Instrumented Dog Toys*

Ceara Byrne, Jay Zuerndorfer, Larry Freil, **Xiaochuang Han**, Andrew Sirolly, Scott Cilliland, Thad Starner, and Melody Jackson.

IMWUT, December 2017

RESEARCH EXPERIENCE

CMU LTI TsvetShop

August 2019 - Present

Graduate Research Assistant, with Prof. Yulia Tsvetkov

- Fortify toxic language classifiers against veiled toxicity using interpretable ML methods. [1]
- Explore the interpretability of NLP models through the lens of training examples. [2]
- Build data and models to forecast scientific mispractice in medical papers by their preregistrations.

Georgia Tech Computational Linguistics Lab

August 2017 - May 2019

Undergraduate Research Assistant, with Prof. Jacob Eisenstein

- Improved unsupervised domain adaptation of contextualized embeddings for sequence labeling. [3]
- Explored variational methods for geo-entity resolution.
- Analyzed the effect of Wikipedia's neutrality norm. [5]
- Worked on stance classifiers in a quantitative model of stancetaking in online forums. [6]

University of Colorado Boulder NLP and CSS Lab

May 2018 - August 2018

Research Intern, with Prof. Chenhao Tan

- Built an unsupervised model to explore entity-to-entity relations in world news. [4]

TEACHING ASSISTANTSHIPS

CMU 11-711: Algorithms for NLP

Fall 2020

Graduate Teaching Assistant, with Prof. Emma Strubell, Yulia Tsvetkov, and Robert Frederking

- Adapted and redesigned homework assignments, gave a lecture on natural language inference and interpretability in neural NLP, led recitations and hosted office hours.

ACADEMIC SERVICE

Program Committee Member (*outstanding reviewer)

- ACL 2021*, NAACL 2021, EACL 2021*, EMNLP 2020, W-NUT 2020

STUDENT ORGANIZATIONS

Georgia Tech Big Data Club

August 2015 - May 2019

President and Lecturer

- Organized weekly meetings and gave lectures on big data and machine learning tools and algorithms.