

# Linzi Xing

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🏠 **Homepage** : <https://linzixing.me>  
📄 **GitHub** : <https://github.com/lxing532>

## EDUCATION

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### University of British Columbia

Ph.D. student in Computer Science; GPA: 88%/100%  
Advisor: Prof. Giuseppe Carenini

Vancouver, BC  
Sep. 2018 – Present

### University of Colorado Boulder

Master in Computer Science; GPA: 3.88/4.0  
Advisor: Prof. Michael J. Paul

Boulder, CO  
Aug. 2016 – May. 2018

### Soochow University

Bachelor in Management Information System; GPA: 3.70/4.0 (1/40)  
Advisor: Prof. Li Zhang

Suzhou, CN  
Sep. 2012 – June. 2016

### University of Wisconsin Madison

Visiting Student in Computer Science; GPA: 3.75/4.0

Madison, WI  
Aug. 2015 – Dec. 2015

## PUBLICATIONS

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\* indicates joint first authorship

- [1] [Improving Unsupervised Dialogue Topic Segmentation with Utterance-Pair Coherence Scoring](#)  
**Linzi Xing**, and Giuseppe Carenini  
In Proc. of *SIGDIAL 2021*, Singapore.
- [2] [Demoting the Lead Bias in News Summarization via Alternating Adversarial Learning](#)  
**Linzi Xing\***, Wen Xiao\* and Giuseppe Carenini  
In Proc. of *ACL-IJCNLP 2021*, Bangkok, Thailand. (acceptance rate **21.3%**)
- [3] [Improving Context Modeling in Neural Topic Segmentation](#)  
**Linzi Xing**, Brad Hackinen, Giuseppe Carenini, and Francesco Trebbi  
In Proc. of *AAACL-IJCNLP 2020*, Suzhou, China. (acceptance rate **28.3%**)
- [4] [Multilingual Twitter Corpus and Baselines for Evaluating Demographic Bias in Hate Speech Recognition](#)  
Xiaolei Huang, **Linzi Xing**, Franck Dernoncourt, and Michael J. Paul  
In Proc. of *LREC 2020*, Marseille, France.
- [5] [Evaluating Topic Quality with Posterior Variability](#)  
**Linzi Xing**, Michael J. Paul, and Giuseppe Carenini  
In Proc. of *EMNLP-IJCNLP 2019*, Hong Kong, China. (acceptance rate **23.8%**)
- [6] [Diagnosing and Improving Topic Models by Analyzing Posterior Variability](#)  
**Linzi Xing**, and Michael J. Paul  
In Proc. of *AAAI 2018*, New Orleans, USA. (acceptance rate **25%**)
- [7] [Incorporating Metadata into Content-Based User Embeddings](#)  
**Linzi Xing**, and Michael J. Paul  
In Proc. of *EMNLP 2017 (The Workshop on Noisy User-generated Text (W-NUT))*, Copenhagen, Denmark.
- [8] [Exploring Timelines of Confirmed Suicide Incidents through Social Media](#)  
Xiaolei Huang, **Linzi Xing**, Jed R. Brubaker, and Michael J. Paul  
In Proc. of *IEEE 2017 International Conference on Healthcare Informatics (ICHI)*, Utah, USA.

## RESEARCH EXPERIENCE

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### UBC NLP Group, Research Assistant

May. 2019 – Present

- *Advisor:* Prof. Giuseppe Carenini.
- Explored and implemented new methodologies to improve the state-of-the-art neural topic segmentation model for monologue and dialogue textual data. Explored the potential of topic segmentation to benefit other mainstream NLP tasks, like discourse parsing.

### Information Science Lab at CU Boulder, Research Assistant

May. 2017 – Apr. 2018

- *Advisor:* Prof. Michael J. Paul.
- Proposed novel methods to diagnose and improve LDA topic quality by taking advantage of the posterior samples fluctuation during Gibbs sampling process. Proposed a novel LDA topic evaluation methodology using the variability of the posterior distributions. Complementing this method with other measurements achieves better performance.
- Lead to two papers accepted at AAAI-18 and EMNLP-IJCNLP-19 respectively.

## AWARDS

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- ★ **Outstanding Graduates**, Soochow University 2016
- ★ **Outstanding Undergraduate Student Scholarship**, China Scholarship Council (CSC) 2015
- ★ **C.W. Chu Scholarship**, Soochow University (Top 1% Academic Excellence) 2014

## ACADEMIC ACTIVITIES

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### Teaching Assistant

- CPSC 503 - Computational Linguistic I, at UBC 2018 Winter Term 2, 2019 Winter Term 2
- CPSC 322 - Introduction to Artificial Intelligence, at UBC 2019 Summer Term 1
- CPSC 121 - Models of Computation, at UBC 2018 Winter Term 2
- CPSC 422 - Intelligent Systems, at UBC 2018 Winter Term 1

### PC Member (Conference Reviewer)

- EACL 2021, EMNLP 2021, EMNLP 2021 Workshop on New Frontiers in Summarization 2021
- EMNLP 2019 Workshop on New Frontiers in Summarization 2019

### Secondary Reviewer

- AAAI 2020, ACL-IJCNLP 2020 2020
- NAACL 2019, ACL 2019, EMNLP-IJCNLP 2019 2019

## REFERENCES

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References available upon request.