

Linzi Xing

lzxing@cs.ubc.ca

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

EDUCATION

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

* indicates joint first authorship

- [1] [Predicting Above-Sentence Discourse Structure using Distant Supervision from Topic Segmentation](#)
Patrick Huber*, **Linzi Xing***, and Giuseppe Carenini
In Proc. of *AAAI 2022*, Vancouver, Canada. (acceptance rate: **15%**)
- [2] [Improving Unsupervised Dialogue Topic Segmentation with Utterance-Pair Coherence Scoring](#)
Linzi Xing, and Giuseppe Carenini
In Proc. of *SIGDIAL 2021*, Singapore.
- [3] [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%**)
- [4] [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%**)
- [5] [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.
- [6] [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%**)
- [7] [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%**)
- [8] [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.
- [9] [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

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

- 🏆 **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 & SERVICE

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

Course Developer

- CPSC 436N - Topics in Computer Science (NLP), at UBC 2021 Winter Term 1

PC Member (Conference Reviewer)

- AAAI 2022, ACL Rolling Review (as a reviewer) 2022
- 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

Volunteer

- ACL-IJCNLP 2021 2021

REFERENCES

References available upon request.