

YUE DONG

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🎓 Google Scholar 🔗 <https://yuedongcs.github.io/>

EDUCATION

McGill University/Mila, Canada Ph.D. in Computer Science Advisor: Jackie Cheung	<i>Jan. 2017 - Present</i> CGPA:10/10
University of Ottawa, Canada Master of Science in Mathematics Advisors: Vladimir Pestov, Nathalie Japkowicz	<i>Jan. 2015 - Dec. 2016</i> CGPA:9.5/10
University of Ottawa, Canada Honours Bachelor of Science, Major in Mathematics and Minor in Computer Science	<i>Jan. 2011 - Dec. 2014</i> CGPA:9.6/10
Xi'an Jiaotong University, China Clinical Medicine	<i>Sep. 2009 - Sep. 2010</i>

RESEARCH INTERESTS

- 1) **Natural language understanding:** fact checking/correction, discourse analysis, hierarchical classification
- 2) **Natural language generation:** text summarization, text simplification, narrative story generation
- 3) **Representation and reasoning:** commonsense reasoning, neural symbolic reasoning
- 4) **Deep learning and reinforcement learning:** multi-tasking learning, self-supervised learning, few-shot learning, anomaly detection, multi-armed bandit

RESEARCH EXPERIENCE

Google AI Research Intern, Hosts: Pat Verga, William W. Cohen Topic: Knowledge-based approach for text summarization	Pittsburgh, USA <i>May 2021 - Dec. 2021</i>
Allen Institute for AI (AI2) Research Intern, Hosts: Chandra Bhagavatula, Yejin Choi Topic: Attention modulation for neural generation (Findings of ACL 2021)	Seattle, USA <i>Jun. 2020 - Dec. 2020</i>
Microsoft Research Intern, Hosts: Shuohang Wang, Zhe Gan, Yu Cheng, Jingjing Liu Topic: Facts-aware abstractive summarization (EMNLP 2020)	Redmond, USA <i>Mar. 2020 - Jun. 2020</i>
Huawei Noah's Ark Lab Research Intern, Mentor: Mehdi Rezagholizadeh Topic: Edit-based model for text simplification (ACL 2019)	Montreal, Canada <i>Oct. 2018 - Mar. 2019</i>

TEACHING EXPERIENCE

Guest Lecturer, Montreal: AI4Good National Training Program	<i>Summer 2019</i>
Teaching assistant, McGill University: COMP251 - Data Structures and Algorithms	<i>Winter 2018</i>
Teaching assistant, McGill University: COMP424 - Artificial Intelligence	<i>Fall 2017</i>
Teaching assistant, McGill University: COMP202 - Foundations of Programming	<i>Fall 2017</i>
Weekly tutorial instructor, UOttawa: MAT1348 - Discrete Mathematics for Computing	<i>Winter 2016</i>
Weekly tutorial instructor, UOttawa: MAT1341 - Introduction to Linear Algebra	<i>Winter 2016</i>
Weekly tutorial instructor & Teaching assistant, UOttawa: MAT1341 - Introduction to Linear Algebra	<i>Fall 2015</i>
Teaching assistant, UOttawa: MAT1348 - Discrete Mathematics for Computing	<i>Winter 2014</i>

SERVICE

- Co-organizer:**
- **EMNLP 2021 workshop** New Frontiers in Summarization
 - **NeurIPS 2021 workshop** Efficient Natural Language and Speech Processing
 - **NAACL 2022 tutorial** Text Generation with Text-Editing Models
- Action Editor (area chair):** - **ACL** Rolling Review
- Reviewer:**
- **2021:** ACL
 - **2020:** COLING, EMNLP, IJCAI, ACL
 - **2019:** EMNLP, ACL, IJCAI

PEER-REVIEWED PUBLICATIONS

[14] Inspecting the Factuality of Hallucinated Entities in Abstractive Summarization.

Meng Cao, Yue Dong and Jackie C. K. Cheung

ACL 2022

[13] On-the-Fly Attention Modulation for Neural Generation

Yue Dong, Chandra Bhagavatula, Ximing Lu, Jena D. Hwang, Antoine Bosselut, Jackie C.K. Cheung, Yejin Choi

Findings of ACL 2021

[12] Bringing Structure into Summaries: a Faceted Summarization Dataset for Long Scientific Documents

Rui Meng, khushboo Thaker, Lei Zhang, Yue Dong, Xingdi Yuan, Tong Wang and Daqing He

ACL 2021

[11] Discourse-Aware Unsupervised Summarization for Long Scientific Documents

Yue Dong*, Andrei Romascanu* and Jackie C. K. Cheung.

EACL 2021

[10] Multi-Fact Correction in Abstractive Text Summarization

Yue Dong, Shuohang Wang, Zhe Gan, Yu Cheng, Jackie C. K. Cheung and Jingjing Liu

EMNLP 2020

[9] Multi-XScience: A Large-scale Dataset for Extreme Multi-document Summarization of Scientific Articles

Yao Lu, Yue Dong and Laurent Charlin.

EMNLP 2020

[8] Factual Error Correction for Abstractive Summarization Models

Meng Cao, Yue Dong, Jiapeng Wu and Jackie C. K. Cheung.

EMNLP 2020

[7] Countering the Effects of Lead Bias in News Summarization via Multi-Stage Training and Auxiliary Losses

Yue Dong*, Matt Grenander*, Jackie C. K. Cheung and Annie Louis.

EMNLP-IJCNLP 2019

[6] EditNTS: An Neural Programmer-Interpreter Model for Sentence Simplification through Explicit Editing

Yue Dong, Zichao Li, Mehdi Rezagholizadeh and Jackie C. K. Cheung.

ACL 2019 (Oral)

[5] Learning Multi-task Communication with Message Passing for Sequence Learning

Pengfei Liu, Yue Dong*, Jie Fu*, Xipeng Qiu and Jackie C. K. Cheung.

AAAI 2019

[4] BanditSum: Extractive Summarization as a Contextual Bandit

Yue Dong*, Yikang Shen*, Eric Crawford, Herke van Hoof and Jackie C. K. Cheung.

EMNLP 2018 (Oral)

[3] A Hierarchical Neural Attention-based Text Classifier

Koustuv Sinha, Yue Dong, Jackie C. K. Cheung and Derek Ruths.

EMNLP 2018

[2] Threaded ensembles of autoencoders for stream learning

Yue Dong and Nathalie Japkowicz.

Computational Intelligence 2018

[1] Threaded ensembles of supervised and unsupervised neural networks for stream learning

Yue Dong and Nathalie Japkowicz.

Canadian Conference on Artificial Intelligence 2016 (Best Paper Award)

ACADEMIC AWARD

- Alexander Graham Bell Canada Graduate Scholarship - Doctoral (CGS D) - Accepted	2018-2019
- NSERC Postgraduate Scholarship - Doctoral (PGS D) - Accepted	2017-2018
- FRQNT Doctoral Scholarship - Declined (rank first in all 2016 applicants in mathematics)	2016
- FRQNT Master's Research Scholarship	2016
- NSERC Canada Graduate Scholarships - CGS Master's	2015
- University of Ottawa Excellence Scholarship	2015 - 2016
- NSERC Undergraduate Student Research Awards (USRA)	Summer 2014
- Dean's Merit Scholarships - Faculty of Science, University of Ottawa	2014
- University of Ottawa Women's Summer Research Award	Summer 2013
- University of Ottawa Merit Scholarship	2013
- University of Ottawa Wong-Ng Scholarship	2013
- University of Ottawa Work/Study Research Award	Summer 2012
- University of Ottawa Yvon Grandchamp Scholarship	2012
- First prize in mathematics competition at Shaanxi province, China	2008

MENTORING

Meng Cao (PhD student, McGill University)

Yao Lu (PhD student, University College London)

Matt Grenander (PhD student, University of Edinburgh)

Andrei Romascanu (master's student, McGill University)

Paul Wu (master's student, McGill University, currently at Private AI)

Kun Ni (master's student, University of Montreal)

REFERENCES

Jackie Cheung

Associate Professor

School of Computer Science, McGill University

E-mail: jcheung@cs.mcgill.ca

Yejin Choi

Brett Helsel Professor (also senior research manager at AI2)

Paul G. Allen School of Computer Science & Engineering, University of Washington

E-mail: yejin@cs.washington.edu

William W. Cohen

Director, Principal Scientist, and Research Engineering (former Professor at CMU)

Google AI, Pittsburgh, USA

E-mail: wcohen@google.com

Nathalie Japkowicz

Professor and Department Chair, Computer Science

American University, Washington, D.C.

E-mail: nathalie.japkowicz@american.edu