YUE DONG

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 Google Scholar https://www.cs.mcgill.ca/∼ydong26/

EDUCATION

McGill University/Mila, Canada	*Jan. 2017 - Present*
Ph.D. in Computer Science	CGPA:10/10
Advisor: Jackie Cheung	

University of Ottawa, Canada	*Jan. 2015 - Dec. 2016*
Master of Science in Mathematics	CGPA:9.5/10
Advisors: Vladimir Pestov, Nathalie Japkowicz	

University of Ottawa, Canada	*Jan. 2011 - Dec. 2014*
Honours Bachelor of Science, Major in Mathematics and Minor in Computer Science	CGPA:9.6/10

Xi'an Jiaotong University, China	*Sep. 2009 - Sep. 2010*
Clinical Medicine	

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	Pittsburgh, USA
Research Intern, Hosts: Pat Verga, William W. Cohen	*May 2021 - Dec. 2021*
Topic: Knowledge-based approach for text summarization	

Allen Institute for AI (AI2)	Seattle, USA
Research Intern, Hosts: Chandra Bhagavatula, Yejin Choi	*Jun. 2020 - Dec. 2020*
Topic: Attention modulation for neural generation (Findings of ACL 2021)	

Microsoft	Redmond, USA
Research Intern, Hosts: Shuohang Wang, Zhe Gan, Yu Cheng, Jingjing Liu	*Mar. 2020 - Jun. 2020*
Topic: Facts-aware abstractive summarization (EMNLP 2020)	

Huawei Noah's Ark Lab	Montreal, Canada
Research Intern, Mentor: Mehdi Rezagholizadeh	*Oct. 2018 - Mar. 2019*
Topic: Edit-based model for text simplification (ACL 2019)	

TEACHING EXPERIENCE

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

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