TOM YOUNG

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Email | Twitter | Homepage | Google Scholar | Github

HIGHLIGHT

6 years of experience in NLP and deep learning; total No. citations >4000.

Most recent work is on improving large masked language models.

WORK EXPERIENCE

Research Fellow	National University of Singapore	Sep. 2022 - now
Research intern	Continental Inc., Singapore	Apr. 2019 - Oct. 2019
Research intern	Baidu Inc., Beijing	Mar. 2018 - Jun. 2018
Research assistant	Tsinghua University, Beijing	Aug. 2017 - Feb. 2018

EDUCATION

PhD of Computer Science	Nanyang Technological University, Singapore	Jul 2018 - Aug 2022
Bachelor of Engineering	Beijing Institute of Technology, Beijing	Sep 2014 - Jun 2018

RESEARCH INTEREST

Pushing forward the capabilities of foundational models, such as long-range understanding, reasoning and multi-modality.

PUBLICATIONS

- *On the Inconsistencies of Conditionals Learned by Masked Language Models*, **Tom Young**, Yang You, arXiv preprint arXiv:2301.00068

- *Fusing Task-oriented and Open-domain Dialogues in Conversational Agents*, **Tom Young**, F Xing, V Pandelea, J Ni, E Cambria, AAAI 2022

- *Recent Trends in Deep Learning Based Natural Language Processing*, **Tom Young**, D Hazarika, S Poria, and E Cambria, IEEE Computational Intelligence Magazine 2018

- *Augmenting End-to-End Dialogue Systems with Commonsense Knowledge*, **Tom Young**, E Cambria, I Chaturvedi, H Zhou, S Biswas, M Huang, AAAI 2018

- *Dialogue Systems with Audio Context*, **Tom Young**, V Pandelea, S Poria, E Cambria, Neurocomputing 2020

- *HiTKG: Towards Goal-oriented Conversations via Multi-hierarchy Learning*, J Ni, V Pandelea, **Tom Young**, H Zhou, E Cambria, AAAI 2022

- *Toward Hardware-aware Deep Learning Based Dialogue Systems*, V Pandelea, E Ragusa, **Tom Young**, P Gastaldo, E Cambria, Neural Computing and Applications 2021

- *Recent Advances in Deep Learning Based Dialogue Systems: A Systematic Survey*, J Ni, **Tom Young**, V Pandelea, F Xue, V Adiga, E Cambria, Artificial intelligence review 2023

- *Commonsense Knowledge Aware Conversation Generation with Graph Attention*, H Zhou, **Tom Young**, M Huang, H Zhao, J Xu, and X Zhu, IJCAI 2018

PROFESSIONAL SERVICES & TEACHING

Journal reviewer	Knowledge-Based Systems, Cognitive Computation, IEEE Transactions on Affective Computing, Artificial Intelligence Review
Conference reviewer	ACL 2020, ACL 2021, AAAI 2023, AAAI 2024
Teaching	NTU-CE1003: Intro to Computation Thinking NTU-CZ2004: Human Computer Interaction NUS-CS5260: Neural Networks and Deep Learning II

AWARDS & RESEARCH IMPACT

- 2018 IJCAI Distinguished Paper Award
- 2021 IEEE CIM Outstanding Paper Award
- Google Scholar Citations: 4000+