

# TOM YOUNG

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[Email](#) | [Twitter](#) | [Homepage](#) | [Google Scholar](#) | [Github](#)

## HIGHLIGHTS

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

[Most recent work](#) is on improving large masked language models.

Strong spoken English skills and collaboration skills.

Familiarity with parallelisms and other considerations in LLM training and inference [[blog](#)].

## WORK EXPERIENCE

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<b>Research Fellow</b> National University of Singapore	Sep. 2022 - now
<b>Research Intern</b> Continental Inc., Singapore	Apr. 2019 - Oct. 2019
<b>Research Intern</b> Baidu Inc., Beijing	Mar. 2018 - Jun. 2018
<b>Research Assistant</b> Tsinghua University, Beijing	Aug. 2017 - Feb. 2018

## EDUCATION

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

## RESEARCH INTEREST

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

## PUBLICATIONS

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- *On the Inconsistencies of Conditionals Learned by Masked Language Models*, **Tom Young**, Yunan Chen, 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

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## PROFESSIONAL SERVICES & TEACHING

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

## AWARDS & RESEARCH IMPACT

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- [2018 IJCAI Distinguished Paper Award](#)
- [2021 IEEE CIM Outstanding Paper Award](#)
- [Google Scholar](#) Citations: 4000+