

TIANCHENG HU

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Summary: PhD Student at Cambridge interested in **NLP & CSS & Responsible AI**

EDUCATION

University of Cambridge, Cambridge, UK Advisor: Nigel Collier	PhD in Computation, Cognition and Language	Dec 2026 (expected)	Gates Cambridge Scholarship
ETH Zurich, Zurich, Switzerland Thesis Advisor: Prof. Robert West	M.Sc.: Electrical Engineering and Information Technology	Sep 2022	GPA: 5.65/6.00
The University of Texas at Dallas, Richardson, TX, USA Hobson Wildenthal Honors College	B.S: Electrical Engineering Advisor: Prof. Carlos Busso	May 2020	GPA: 3.99/4.00 Summa Cum Laude

SELECTED COURSEWORK: Advanced Techniques of Machine Translation, Natural Language Processing, Computational Semantics for Natural Language Processing, Deep Learning, Image Analysis and Computer Vision, Deep Learning for Autonomous Driving, Advanced Topics in Artificial Intelligence, Probabilistic Artificial Intelligence

PUBLICATIONS

- [1] **T. Hu**, N. Collier. "Quantifying the Persona Effect in LLM Simulations" Under Review. *The 62nd Annual Meeting of the Association for Computational Linguistics*.
- [2] **T. Hu***, Y. Kyrychenko*, S. Rathje, N. Collier, S. van der Linden, J. Roozenbeek. "Generative language models exhibit social identity biases." Under Review. *Proceedings of the National Academy of Sciences*. (*: co-first authorship) Also at **IC2S2'23**.
- [3] **T. Hu**, M. Ribeiro, R. West, A. Spitz. "Quotatives Indicate Decline in Objectivity in U.S. Political News.", *17th International AAAI Conference on Web and Social Media (ICWSM)*, Limassol, Cyprus. 2023. Also at **IC2S2'23**.
- [4] F. Tan, A. Hürriyetoglu, T. Caselli, N. Oostdijk, T. Nomoto, H. Hettiarachchi, I. Ameer, O. Uca, F. Liza, and **T. Hu**. "The Causal News Corpus: Annotating Causal Relations in Event Sentences from News." *Language Resources and Evaluation*, Marseille, France. 2022.
- [5] M. Zhong* & **T. Hu*** & Y. Jiao*, S. Dhuliawala, B. Singh. "Drug Re-positioning via Text Augmented Knowledge Graph Embeddings", *Conference on Neural Information Processing Systems (NeurIPS) Workshop AI4Science*, online. 2021. (*: co-first authorship)
- [6] **T. Hu**, N. Stoehr. "Team "NoConflict" at CASE 2021 Task 1: Pretraining for Sentence-Level Protest Event Detection," *Proceedings of the 4th Workshop on Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE 2021)*, Association for Computational Linguistics (ACL). Online. 2021.
- [7] S. Giorgi, V. Zavarella, H. Tanev, N. Stefanovitch, S. Hwang, H. Hettiarachchi, T. Ranasinghe, V. Kalyan, P. Tan, S. Tan, M. Andrews, **T. Hu**, N. Stoeher, F. Re, D. Vegh, D. Atzenhofer, B. Curtis, A. Hurriyetoglu. "Discovering Black Lives Matter Events in the United States: Shared Task 3, CASE 2021," *Proceedings of the 4th Workshop on Challenges and Applications of Automated Extraction of Sociopolitical Events from Text (CASE 2021)*. Association for Computational Linguistics (ACL). online. 2021.
- [8] S. Jha, M. Marzban, **T. Hu**, M. Mohamed, N. Al-Dhahir, C. Busso, "The Multimodal Driver Monitoring Database: A Naturalistic Corpus to Study Driver Attention," *IEEE Transactions on Intelligent Transportation Systems*, vol. 23, no. 8, pp. 10736-10752, 2021.
- [9] **T. Hu**, S. Jha, C. Busso, "Temporal Head Pose Estimation Model from Point Cloud," *IEEE Transactions on Intelligent Transportation Systems*, vol. 23, no. 7, pp. 8063-8076, 2021.
- [10] **T. Hu**, S. Jha, C. Busso, "Robust Driver Head Pose Estimation in Naturalistic Conditions from Point-Cloud Data," *IEEE Intelligent Vehicles Symposium*, October 19 - November 13, 2020 (Virtual) Las Vegas, NV, United States.

Grants & Honors & Awards

TADA 2023: New Directions in Analyzing Text as Data Doctoral Consortium Travel Grant (\$800)	Nov 2023
ICWSM 2023 Student Scholarship (\$700)	June 2023
Cambridge Language Sciences Incubator Fund (co-PI, £4,167)	Mar 2023
Gates Cambridge Scholarship (Full PhD Scholarship, award rate ~1.35%)	April 2022
Texas Analog Center of Excellence Research Scholarship (\$5000)	Jan 2019
UTD Academic Excellence Scholarship – Full tuition and fees covered for four years and \$6000/year	Aug 2016