

CHI-YANG HSU

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OBJECTIVE

I am broadly interested in machine learning, primarily in (but not limited to) natural language processing (NLP) and computational social science, and the applications to social good and vision-to-language.

EDUCATION

University of Texas at Austin *Present*
School of Information – PhD in Information Studies

Penn State University *Class of 2021*
Department of Information Sciences and Technology – Master of Science

Penn State University *Class of 2019*
Department of Information Sciences and Technology – Bachelor of Science

PUBLICATIONS

- 1. Thought Graph: Generating Thought Process for Biological Reasoning**
Chi-Yang Hsu, Kyle Cox, Jiawei Xu, Zhen Tan, Tianhua Zhai, Mengzhou Hu, Dexter Pratt, Tianlong Chen, Ziniu Hu, Ying Ding
Published in WebConf Short 2024
- 2. Learning to Rank Visual Stories From Human Ranking Data**
Chi-Yang Hsu, Yun-Wei Chu, Vincent Chen, Kuan-Chieh Lo, Chacha Chen, Ting-Hao K. Huang, Lun-Wei Ku,
Published in ACL 2022 (8 pages) [\[PDF\]](#)
- 3. Plot and Rework: Modeling Storylines for Visual Storytelling**
Chi-Yang Hsu, Yun-Wei Chu, Ting-Hao (Kenneth) Huang, Lun-Wei Ku. Published in ACL-IJCNLP 2021 Findings (8 pages) [\[arXiv\]](#)
- 4. Stretch-VST: Getting Flexible With Visual Stories**
Chi-Yang Hsu, Yun-Wei Chu, Tsai-Lun Yang, Ting-Hao (Kenneth) Huang, Lun-Wei Ku. Published in ACL-IJCNLP 2021 Demo (6 pages) [\[VIDEO\]](#)[\[DEMO\]](#)
- 5. Using Tweets to Assess Mental Well-being of Essential Workers During the COVID-19 Pandemic**
Johnna Blair, Chi-Yang Hsu, Ling Qiu, Shih-Hong Huang, Ting-Hao (Kenneth) Huang, Saeed Abdullah. Published in CHI LBW 2021 [\[ACM DL\]](#)[\[PDF\]](#)[\[NEWS\]](#)
- 6. Knowledge-Enriched Visual Storytelling**
Chao-Chun Hsu, Zi-Yuan Chen, Chi-Yang Hsu, Chih-Chia Li, Tzu-Yuan Lin, Ting-Hao 'Kenneth' Huang, Lun-Wei Ku. Published in AAAI 2020 [\[arXiv\]](#)
- 7. Navigating Ride-Sharing Regulations: How Regulations Changed the 'Gig' of Ride-Sharing for Drivers in Taiwan**
Anita Chen, Chien-Wen Yuan, Ning F. Ma, Chi-Yang Hsu, Benjamin V. Hanrahan. Published in CHI 2019 [\[ACM DL\]](#)[\[PDF\]](#)

RESEARCH EXPERIENCE

University of Texas at Austin – AI Health Lab

NLP Research Assistant – Supervised by Prof. Ying Ding

August 2023 – present

University of Washington – Behavioral Data Science Group

NLP Research Intern – Supervised by Prof. Tim Althoff

July 2021 – June 2022

Academia Sinica – NLPSA Lab (中研院, 台灣)

NLP Research Assistant – Supervised by Dr. Lun-Wei Ku

May 2019 - June 2021

Penn State University – Crowd-AI Lab

Lab Member – Supervised by Professor Ting-Hao (Kenneth) Huang

August 2019 - June 2021