

Kent Kai-hsiung Chang

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RESEARCH INTERESTS natural language processing (NLP), deep representation learning; dialogue understanding and generation, video understanding, large language model (LLM) evaluation

EDUCATION

University of California, Berkeley ■ Ph.D. candidate in Information Science *Berkeley, CA* (2020–expected 2026)

- Advised by Prof. David Bamman at the School of Information & Berkeley Artificial Intelligence Research
- Coursework in natural language processing, HCI, machine learning, deep learning, and data science

University College London ■ M.S. in Digital Humanities *London, England* (2017–2018)

National Taiwan University ■ B.A. in English (literature, linguistics, translation) *Taipei, Taiwan* (2014–2017)

University of Taipei ■ B.A. programs in TESOL and Computer Science *Taipei, Taiwan* (2011–2014, transferred)

SELECTED WORK EXPERIENCE

Graduate student researcher, UC Berkeley School of Information *Summer 2022–present*

Spring 2025: Predictably Bad Investments: Evidence from Venture Capitalists (advised by Prof. Diag Davenport)

Spring 2024, Summer 2021 ff.: Building a Literary NLP Pipeline Across Languages (advised by Prof. David Bamman)

Graduate student instructor, UC Berkeley School of Information *Fall 2022–Fall 2024*

Applied Natural Language Processing (Fall 2024, Fall 2023); Natural Language Processing (Spring 2023); Information Organization and Retrieval (Fall 2022) – awarded **Outstanding GSI** in spring 2024 (top 10%)

Predoctoral research fellow (advised by Prof. Simon DeDeo) *December 2018–October 2020*

Laboratory for Social Minds, Social and Decision Sciences, Carnegie Mellon University – *publication*: [1]

PUBLICATIONS

IN PROGRESS

- [9] Kent K. Chang, Mackenzie Hanh Cramer, Anna Ho, Ti Ti Nguyen, Yilin Yuan, David Bamman (2025), “Multimodal Conversation Structure Understanding” [<https://arxiv.org/abs/2505.17536>].

REFEREED CONFERENCE PAPERS

- [8] Kent K. Chang, Anna Ho, David Bamman (2024), “Subversive Characters and Stereotyping Readers.” CHR 2024 [<https://arxiv.org/abs/2410.14978>].
- [7] David Bamman, Kent K. Chang, Li Lucy, Naitian Zhou (2024), “On Classification with Large Language Models in Cultural Analytics.” CHR 2024 [<https://arxiv.org/abs/2410.12029/>].
- [6] Kent K. Chang, Mackenzie Hanh Cramer, Sandeep Soni, and David Bamman (2023), “Speak, Memory: An Archaeology of Books Known to ChatGPT/GPT-4.” EMNLP 2023 [<https://aclanthology.org/2023.emnlp-main.453>].
- [5] Kent K. Chang, Danica Chen, and David Bamman (2023), “Dramatic Conversation Disentanglement.” ACL 2023 Findings [<https://aclanthology.org/2023.findings-acl.248/>].
- [4] Kent Chang, Yuerong Hu, Wenyi Shang, Aniruddha Sharma, Shubhangi Singhal, Ted Underwood, Jessica Witte, and Peizhen Wu (2020), “Book Reviews and the Consolidation of Genre.” DH 2020.

REFEREED BOOK CHAPTERS

- [3] **Kent K. Chang** (2023), “The Queer Gap in Cultural Analytics.” In Matthew K. Gold and Lauren Klein (eds.), *Debates in Digital Humanities 2023*. University of Minnesota Press.

REFEREED JOURNAL ARTICLES

- [2] Michelle Moravec and **Kent K. Chang** (2021), “Feminist Bestsellers: A Digital History of 1970s Feminism.” *Post45*.
 [1] **Kent K. Chang** and Simon DeDeo (2020), “Divergence and the Complexity of Difference in Text and Culture.” *Journal of Cultural Analytics*.

SELECTED PRESENTATIONS

- “Narrative Research, Some Takeaways.” Invited talk at Creative Narrative Workshop 2024, Pioneer Center for AI, University of Copenhagen. December 7, 2024.
- “Building and Controlling Large Language Models” (Guest lecture for INFO 251 Applied Machine Learning). School of Information, UC Berkeley, United States. April 2 and 9, 2024.
- “Long-range, Long-form Video Understanding for Cultural Analysis.” Literary Lab, Stanford University. California, United States. February 10, 2024.
- “Speak, Memory: An Archaeology of Books Known to ChatGPT/GPT-4.” Poster presentation at EMNLP 2023 (main conference). Santosa, Singapore. December 10, 2023.
- “Dramatic Conversation Disentanglement.” Poster presentation at the 5th Workshop for Narrative Understanding (co-located with ACL 2023). Toronto, Canada. July 14, 2023.

SELECTED SKILLS

PyTorch, scikit-learn, NumPy, pandas, matplotlib/seaborn; spaCy, NLTK, Accelerator, DeepSpeed; Slurm

NVIDIA Deep Learning Institute certificates in “Data Parallelism: How to Train Deep Learning Models on Multiple GPUs” and “Model Parallelism: Building and Deploying Large Neural Networks”

SELECTED SERVICES

Reviewer: DH 2020, ACL 2023, LREC 2024

Program committee: EMNLP 2023 Industry Track; Workshop for Narrative Understanding 2024, 2025; CHR 2024

SELECTED AWARDS

Outstanding Graduate Student Instructor	(awarded spring 2024)
Paul Fasana LGBTQ Studies Fellowship	(spring 2024)
Berkeley School of Information Summer Grant	(summer 2021)
Berkeley Artificial Intelligence Research Lab First-year Ph.D. Stipend	(fall 2020)
Berkeley Fellowship for Graduate Study	(awarded to top Ph.D. applicants)