

REBECCA M. M. HICKE

PHD STUDENT, COMPUTER SCIENCE, CORNELL UNIVERSITY

Telephone: (847) 800-1183 **Email:** rmh327@cornell.edu

Website: <https://rmatouschekkh.github.io>

EDUCATION

- Cornell University**, Ph.D. Student, Computer Science Fall 2022 – present
Minor: Information Science *Ithaca, NY*
GPA: 3.96
Advisor: David Mimno
- Carleton College**, B.A. *cum laude*, Computer Science and English June 2022
Minor: Digital Arts and Humanities *Northfield, MN*
GPA: 3.86
Advisors: Eric Alexander and George Shuffelton
Received distinction in both majors

RESEARCH AND INDUSTRY EXPERIENCE

- Graduate Research Assistant**, Cornell University August 2022 – present
Advisor: David Mimno *Ithaca, NY*
Areas: Digital humanities, natural language processing, machine learning
- Graduate Research Assistant**, Aarhus University May 2024 – August 2024
Advisor: Ross Deans Kristensen-McLachlan *Aarhus, Denmark*
Areas: Digital humanities, natural language processing, machine learning
- PiTech Research Fellow**, Cornell University June 2023 – August 2023
Host Organization: Good Call NYC *Remote*
Areas: Data visualization, data processing and analysis
- Research Scientist**, Authors AI May 2023 – August 2023
Areas: Natural language processing *Remote*
- Undergraduate Research Assistant**, Carleton College June 2020 – May 2022
Advisor: Eric Alexander *Northfield, MN*
Areas: Digital humanities, data visualization, human-computer interaction
- Undergraduate Research Assistant**, UC Berkeley June 2021 – March 2022
REU – Summer Undergraduate Program in Engineering Research at Berkeley *Remote*
Advisors: Sarah Chasins and Aditya Parameswaran
Areas: Human-computer interaction

PUBLICATIONS

- Hicke, Rebecca M. M. and David Mimno. 2024. “[Lions: 1] and [Tigers: 2] and [Bears: 3], Oh My! Literary Coreference Annotation with LLMs.” *Proceedings of the 8th Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature*.
- Hicke, Rebecca M. M. and David Mimno. 2023. “T5 meets Tybalt: author attribution in Early Modern English drama using large language models.” *Proceedings of the Computational Humanities Research Conference 2023*.
- Hicke, Rebecca M. M., Maanya Goenka, and Eric Alexander. 2022. “Word Clouds in the Wild.” *2022 IEEE 7th workshop on Visualization for the Digital Humanities (Vis4DH)*.
- Hicke, Rebecca M. M. and David Mimno. 2024. “‘Let every word weight heavy of her worth’: Examining How Women Enact Power in Shakespeare’s Comedies through Interactive Speech Pattern Visualizations.” In *Computational Drama Analysis: Reflecting Methods and Interpretations*. De Gruyter.

TEACHING

- Graduate Teaching Assistant**, Cornell University August 2023 – present
INFO 3300: Data-Driven Web Applications (1 term)
CS 2110: Object-Oriented Programming and Data Structures (1 term)
- Program Assistant**, Carleton College June 2022 – August 2022
History of Computing Off-Campus Studies Program
- Undergraduate Teaching Assistant**, Carleton College March 2020 – June 2022
CS 111: Introduction to Computer Science (1 term)
CS 201: Data Structures (4 terms)
CS 202: Math of Computer Science (2 terms)
- West Coast Swing Teacher**, Carleton College January 2020 – March 2020
- Competitive Ballroom and Latin Dance Team**, Carleton College June 2019 – June 2022
Treasurer, June 2019 – June 2020
Captain, June 2020 – June 2022
- Residential and Program Assistant**, UT Austin June 2018 – July 2020
First Bytes Computer Science Camp (2 sessions)
Code Longhorn Computer Science Camp (1 session)
Robotics Camp (2 sessions)
Cybersecurity Camp (1 session)

SERVICE

- Graduate Research Mentor for Undergraduates** 2022 – present
10 students total

Session Chair

Fourth Conference on Computational Humanities Research (CHR) December 2023

Reviewer

DH 2024 January 2024

LaTeCH-CLfL 2024 January 2024

Associate Reviewer

Open Research Europe September 2023

CHR 2023 September 2023

Journal of Computational Literary Studies April 2023

New Visions in Engineering, Cornell University

Mentor September 2022 – June 2023

Coordinator September 2023 – present

ACSU Research Night Graduate Co-Organizer, Cornell University 2023 – 2024

Student-Applicant Support Program Mentor, Cornell University Fall 2022, 2023

Bowers Undergraduate Research Experience (BURE) Mentor, Cornell University Summer 2023

Accepted Graduate Student Visiting Days Volunteer, Cornell University May 2023

AWARDS & FELLOWSHIPS

Hopcroft Fellowship, Cornell University 2022 – 2023

Laurence McKinley Gould Prize in Natural Science, Carleton College May 2022

David John Field Prize, Carleton College May 2022

The David Pollatsek '96 Prize in Computer Science, Carleton College May 2022

Distinction – Computer Science Senior Thesis, Carleton College May 2022

Distinction – English Senior Thesis, Carleton College April 2022

Thorsen Scholarship, Carleton College 2020 – 2022

Larson International Fellowship, Carleton College 2021

Dancing the Night Away: Learning Viennese Waltz and Experiencing Ball Season in Vienna

PRESENTATIONS

[Lions: 1] and [Tigers: 2] and [Bears: 3], Oh My! Literary Coreference Annotation with LLMs,
LaTeCH-CLfL 2024 March 2024

Poster Presentation

T5 meets Tybalt: author attribution in Early Modern English drama using large language models, CHR 2023 December 2023

T5 meets Tybalt: author attribution in Early Modern English drama using large language models , TADA 2023 Poster Presentation	November 2023
Large Language Models and NER: <i>Better Results with Less Work</i> , DH 2023 Poster Presentation	July 2023
Word Clouds in the Wild , Vis4DH – IEEE Vis	October 2022
Examining How Women Enact Power in Shakespeare’s Comedies through Interactive Speech Pattern Visualizations , Workshop on Computational Drama Analysis	September 2022
Practicum 2.0: An Interactive Tool for Introductory CS Topics , Carleton College Computer Science Undergraduate Senior Thesis Talk	May 2022
“Let every word weight heavy of her worth” , Carleton College English Undergraduate Senior Thesis Talk	May 2022
Technical Talk – “Let every word weigh heavy of her worth” , Carleton College English Undergraduate Senior Thesis Technical Talk	March 2022
Tools for Tracking Police Misconduct Data , Carleton College Summer Research Presentation	October 2021
Technical Talk – Tools for Tracking Police Misconduct Data , UC Berkeley SUPERB REU Technical Talk	August 2021
Virtual Poster Session – Word Clouds in the Wild , Carleton College	October 2020
Word Clouds in the Wild , Carleton College Summer Research Presentation	August 2020