

REBECCA M. M. HICKE

PHD STUDENT, COMPUTER SCIENCE, CORNELL UNIVERSITY

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EDUCATION

Cornell University , Ph.D. Student, Computer Science	Fall 2022 – present
Minor: Information Science	<i>Ithaca, NY</i>
GPA: 3.95	
Advisor: David Mimno	
Carleton College , B.A. <i>cum laude</i> , Computer Science and English	June 2022
Minor: Digital Arts and Humanities	<i>Northfield, MN</i>
GPA: 3.86	
Advisors: Eric Alexander and George Shuffelton	
<i>Received distinction in both majors</i>	

RESEARCH AND INDUSTRY EXPERIENCE

Graduate Research Assistant , Cornell University	August 2022 – present
Advisor: David Mimno	<i>Ithaca, NY</i>
<i>Areas:</i> Digital humanities, natural language processing, machine learning	
PiTech Research Fellow , Cornell University	June 2023 – August 2023
Host Organization: Good Call NYC	<i>Remote</i>
<i>Areas:</i> Data visualization, data processing and analysis	
Research Scientist , Authors AI	May 2023 – August 2023
<i>Areas:</i> Natural language processing	<i>Remote</i>
Undergraduate Research Assistant , Carleton College	June 2020 – May 2022
Advisor: Eric Alexander	<i>Northfield, MN</i>
<i>Areas:</i> 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	<i>Remote</i>
Advisors: Sarah Chasins and Aditya Parameswaran	
<i>Areas:</i> Human-computer interaction	
High School Research Assistant , UT Austin	July 2016 – July 2018
Advisor: Kristen Grauman	<i>Austin, TX</i>
<i>Areas:</i> Computer vision	

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. (In press.)

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

- 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	September 2023
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Student-Applicant Support Program Mentor, Cornell University	Fall 2022, 2023
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Bowers Undergraduate Research Experience (BURE) Mentor, Cornell University	Summer 2023
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Accepted Graduate Student Visiting Days Volunteer, Cornell University	May 2023
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AWARDS & FELLOWSHIPS

Hopcroft Fellowship, Cornell University	2022 – 2023
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Laurence McKinley Gould Prize in Natural Science, Carleton College	May 2022
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David John Field Prize, Carleton College	May 2022
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The David Pollatsek '96 Prize in Computer Science, Carleton College	May 2022
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<i>Distinction</i> – Computer Science Senior Thesis, Carleton College	May 2022
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<i>Distinction</i> – English Senior Thesis, Carleton College	April 2022
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Thorsen Scholarship, Carleton College	2020 – 2022
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Larson International Fellowship, Carleton College	2021
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Dancing the Night Away: Learning Viennese Waltz and Experiencing Ball Season in Vienna

PRESENTATIONS

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

Large Language Models and NER: <i>Better Results with Less Work</i> , DH 2023	July 2023
Poster Presentation	

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