

# REBECCA M. M. HICKE

PHD STUDENT, COMPUTER SCIENCE, CORNELL UNIVERSITY

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

## EDUCATION

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<b>Cornell University</b> , Ph.D. Student, Computer Science	Fall 2022 – present
Minor: Information Science	<i>Ithaca, NY</i>
GPA: 4.00	
Advisor: David Mimno	
<b>Carleton College</b> , 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

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

## PUBLICATIONS

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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 7<sup>th</sup> 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

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

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<b>Session Chair</b> Fourth Conference on Computational Humanities Research (CHR)	December 2023
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<b>Associate Reviewer</b> Fourth Conference on Computational Humanities Research (CHR) Journal of Computational Literary Studies	September 2023 April 2023
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<b>New Visions in Engineering</b> , Cornell University	
Mentor	September 2022 – June 2023
Coordinator	September 2023 – present
<b>ACSU Research Night Graduate Co-Organizer</b> , Cornell University	September 2023
<b>Student-Applicant Support Program Mentor</b> , Cornell University	Fall 2022, 2023
<b>Bowers Undergraduate Research Experience (BURE) Mentor</b> , Cornell University	Summer 2023
<b>Accepted Graduate Student Visiting Days Volunteer</b> , Cornell University	May 2023

## AWARDS & FELLOWSHIPS

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

## PRESENTATIONS

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<b>T5 meets Tybalt: author attribution in Early Modern English drama using large language models</b> , CHR 2023	December 2023
<b>T5 meets Tybalt: author attribution in Early Modern English drama using large language models</b> , TADA 2023 Poster Presentation	November 2023
<b>Large Language Models and NER: <i>Better Results with Less Work</i></b> , DH 2023 Poster Presentation	July 2023
<b>Word Clouds in the Wild</b> , Vis4DH – IEEE Vis	October 2022
<b>Examining How Women Enact Power in Shakespeare's Comedies through Interactive Speech Pattern Visualizations</b> , Workshop on Computational Drama Analysis	September 2022
<b>Practicum 2.0: An Interactive Tool for Introductory CS Topics</b> , Carleton College Computer Science Undergraduate Senior Thesis Talk	May 2022

<b>“Let every word weight heavy of her worth”,</b> Carleton College English Undergraduate Senior Thesis Talk	May 2022
<b>Technical Talk – “Let every word weigh heavy of her worth”,</b> Carleton College English Undergraduate Senior Thesis Technical Talk	March 2022
<b>Tools for Tracking Police Misconduct Data,</b> Carleton College Summer Research Presentation	October 2021
<b>Technical Talk – Tools for Tracking Police Misconduct Data,</b> UC Berkeley SUPERB REU Technical Talk	August 2021
<b>Virtual Poster Session – Word Clouds in the Wild,</b> Carleton College	October 2020
<b>Word Clouds in the Wild,</b> Carleton College Summer Research Presentation	August 2020