

REBECCA M. M. HICKE

PHD STUDENT, COMPUTER SCIENCE, CORNELL UNIVERSITY

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EDUCATION

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| 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

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| 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. 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

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

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

November 2023

Poster Presentation

Large Language Models and NER: *Better Results with Less Work*, DH 2023

July 2023

Poster Presentation

Word Clouds in the Wild, Vis4DH – IEEE Vis

October 2022

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| 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 |