

# Zachary Metzger

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## Education

University of North Carolina Chapel Hill  
Department of English and Comparative Literature

Chapel Hill, NC  
August, 2017 - Present

- PhD expected May, 2024
- Dissertation: “Historical Development of Text Generation Software, 1950-1990.”

Middlebury College  
L'école française de Middlebury

Middlebury, VT  
June, 2015 – July, 2015

University of Massachusetts, Amherst  
College of Social and Behavioral Sciences

Amherst, MA  
January, 2013 – May, 2015

- Bachelor's Degree in Journalism (2015)
- Minor in Comparative Literature (2015)
- Minor in History (2015)
- Graduated Cum Laude

## Teaching Experience

### Primary Instructor:

ENGL 148: Horror  
University of North Carolina Chapel Hill

English and Comparative Literature  
Fall, 2022

ENGL 105: English Composition and Rhetoric  
University of North Carolina Chapel Hill

English and Comparative Literature  
Fall, 2018 – Spring, 2023

ENGL 105i: Writing in Business  
University of North Carolina Chapel Hill

English and Comparative Literature  
Spring, 2021 – Spring, 2022

### Teaching Assistant:

CMPL 120: Southern Independent Cinema  
University of North Carolina Chapel Hill

English and Comparative Literature  
Fall, 2020

### Grader:

ENGL 680: Film Theory  
University of North Carolina Chapel Hill

English and Comparative Literature  
Spring, 2019

## Other Work Experience

Senior Research Associate and Database Manager  
Medill School of Journalism

Evanston, IL  
January, 2021 – Present

- Oversees the largest and most comprehensive database of historical news media in the country, using a combination of MySQL, SQL Server, and Excel.
- Manages a team of six researchers in the collection, processing, and analysis of data from various open-source and proprietary sources.
- Administers surveys, ensures survey integrity, consistency, and accuracy, and prepares analysis of survey results.
- Produces custom analysis, reports, visualizations, and datasets for internal and external research partners, using Excel, R, PowerBI, Tableau, and Datawrapper.

Research Consultant  
Northwestern University

Evanston, IL  
January, 2020 – December, 2020

- Developed and prepared materials and curriculum for a research methods course.
- Used a variety of open-source industry and government data to update news media datasets.

Research Specialist  
Center for Sustainability and Innovation in Local Media, UNC

Chapel Hill, NC  
March, 2020 – December, 2020

- Oversaw data collection, storage, and analysis for academic research databases.
- Managed a team of six researchers in the verification and collection of data for academic research projects.

SITES Research Assistant  
University of North Carolina Chapel Hill

Chapel Hill, NC  
August, 2017 – April, 2018

- Managed Twitter and Facebook presences of the UNC Department of English and Comparative Literature.
- Maintained department website and assisted in design and development of website evolution.
- Handled file management and archiving procedures.
- Recorded, edited, and produced monthly podcasts.

Field Service Associate  
Clean Harbors Environmental Services

Norwell, MA  
June, 2017 – March, 2019

- Developed and maintained databases and related interfaces in Microsoft Access, LibreOffice Base, and MySQL.
- Managed a team of eight people to develop logistics tracking and data storage applications.
- Performed administrative functions and compliance assurance in New Mexico, Arizona, and Nevada.

Field Technician – Special Events Team  
Clean Harbors Environmental Services

Norwell, MA  
June, 2011 – February, 2016

- Performed hazardous waste and emergency response services in Massachusetts, Oklahoma, and Iowa.

- Directed logistics for a General Electric waste disposal project in Oklahoma.
- Performed investigative compliance research in conjunction with the Department of Defense in Iowa.

## Publications

### Papers:

“Forecasting Future News Deserts”, with Malthouse et al., *Medill Local News Initiative*, November, 2023

### Reviews:

“Dog Symphony: A Review”, *Carolina Quarterly*, Spring 2019

## Conferences and Presentations

### Presented Paper:

“The State of Rural News Media”, National Summit on Journalism in Rural America 2023, July, 2023. Lexington, KY

“Looking Down from Mt. Olympus: *Black Shoals*, Cybernetics, and Biocentrism”, SLSA 2019, November, 2019. Irvine, CA.

## Awards and Grants

### Grants:

ARPA Graduate Degree Completion Grant – 2021

### Teaching Awards:

Gaskin Award for Excellence in Teaching – UNC Chapel Hill, 2021

Professional Development Award – UNC Chapel Hill, 2019, 2020, 2021

## Service

Vice President, UNC Comparative Literature and English Association of Graduate Students – 2020-2021

UNC Chapel Hill Furst Forum Coordinator – 2018-2020

## Technical Skills

- SQL and Database Management Systems including MySQL/MariaDB, PostgreSQL, and Microsoft SQL Server.
- Data mining and analysis, including R, SAS, PSPP. Fluency with survey tools including Qualtrics.
- Microsoft Office, including expertise in Excel, Access, and VBA development.
- Data visualization and business intelligence tools, including Tableau, PowerBI, Datawrapper, and Jupyter Notebooks.
- GIS systems and geographic visualization software, including ArcGIS, PostGIS, WorldWind, and ATAK.
- High programming proficiency in Python, including advanced knowledge of pandas, Matplotlib, and scikit-learn.
- Adobe Creative Cloud.
- Learning Management Systems including Canvas, Blackboard, and Sakai.

## Other Experience and Certifications

- Podcast Editor, *Venti* – 2020-2021
- NWS Skywarn Trained – May, 2016
- President of the UMass English Society – 2014
- NAUI Basic Scuba Certified – December, 2014
- Fiction Editor – Jabberwocky (UMass Undergraduate Literary Journal) – 2013-2014
- 40-Hour OSHA HAZWOPER Certified - June, 2011
- OSHA CSE/CSR certified – June, 2011
- First Aid; CPR/AED; Stop the Bleed Trained – June, 2011