

Tammy Zhang

Superior, CO | [LinkedIn](#) | (303) 880-1652 | tz332@cornell.edu | tammy-zhang.com

EDUCATION

Cornell University

Ithaca, NY

Master of Professional Studies in Information Science (GPA: 3.8)

Graduated: December 2024

- Completed accelerated Master's program after qualifying for early credit while an undergraduate at Cornell
- Led development on a capstone project with nonprofit Almpower.org focusing on accessibility in technology
- Relevant coursework: Human Computer Interaction, Databases, Computing and Global Development

Cornell University

Ithaca, NY

Bachelor of Arts in Information Science (Distinction in All Subjects, GPA: 4.0)

Graduated: May 2024

- Dean's List all semesters; nominated for the Elmer Markham Johnson Prize, James E. Rice Jr. Prize, and Spencer Portfolio Award for a collection of essays completed for a Writing the Environment course
- Relevant coursework: Communicating Climate Change, GIS, Data Communication, Data-Driven Web Apps, Economics of Environmental and Natural Resources, Sustainable Development, Interactive Information Visualization

WORK EXPERIENCE

Louisiana State University

Baton Rouge, LA (remote)

Data Visualization Consultant

March 2025 - present

- Designed and developed interactive geospatial web visualizations for Professor Kevin Smiley in a study investigating social responses to climate change-attributed flooding in south Louisiana
- Led user experience design workshops with team members from Louisiana State University, the Water Institute, and the NSF National Center for Atmospheric Research to create and iterate on Figma prototypes

NSF National Center for Atmospheric Research (NCAR)

Boulder, CO (remote)

Student Frontend Developer, Visualization Services & Research Group

February 2023 - February 2025

- Researched and prototyped modern open-source approaches to developing interactive web visualizations of multidimensional, large-scale climate datasets, including tools such as React.js, Next.js, D3.js, Plotly.js, and Leaflet
- Received an exemplary performance award after independently designing, developing, and launching a new official [website](#) showcasing 55 data visualizations produced by research scientists across NCAR
- Independently designed and developed visualizations for NCAR scientists, such as a [website](#) displaying machine learning model output of tornado predictions for the Machine Integration and Learning for Earth System Group
- Cleaned and prepared structured and unstructured environmental data using Python scripts and QGIS
- Led collaborative design sessions with scientists, iteratively producing mockups in Figma prior to development
- Presented poster at the American Meteorological Society's Student Conference and 104th Annual Meeting in January 2024 to communicate research findings on using open-source tech stacks/libraries for geospatial visualization

Cornell Lab of Ornithology

Ithaca, NY (remote)

Media Curator / Map Editor Assistant

January 2021 - August 2023

- Worked with researchers to curate, caption, and publish photo/video galleries supporting scientific text for over 200 species on Birds of the World, a comprehensive ornithological research web platform
- Executed Jira tickets revising species range maps using GIS software, referencing paper maps, coordinates in research text, and crowdsourced citizen science-based eBird observations

Cornell University

Ithaca, NY

Web Development Teaching Assistant

August 2022 - December 2022

- Led weekly lab sessions teaching undergraduate students user interface design, HTML, CSS, and JavaScript; graded websites for design, functionality, and adherence to Web Content Accessibility Guidelines (WCAG)

Denver Museum of Nature and Science

Denver, CO

Summer Intern

May 2018 - August 2018

- Collected and analyzed data to evaluate the statistically significant differences between two avian subspecies groups

SKILLS & INTERESTS

Skills: Interactive and static data visualization (primarily using JavaScript, Python, and R); data cleaning and analysis (pandas, NumPy, scikit-learn, Xarray); user experience design and prototyping with Figma; web development; writing

Interests: Learning foreign languages; gardening; playing the flute; birdwatching; watercolor and digital art