Tammy Zhang

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EDUCATION

Cornell University   **Ithaca, NY**
Master of Professional Studies in Information Science (GPA: 3.8)   *Graduated: December 2024*
- Completed accelerated program after qualifying for early credit while an undergraduate at Cornell
- **Relevant courses:** Human Computer Interaction; Human-Centered Design & Engaged Media; Databases; Text Mining

Cornell University   **Ithaca, NY**
Bachelor of Arts in Information Science (GPA: 4.0)   *Graduated: May 2024*
- Distinction in All Subjects; Dean's List all semesters
- **Relevant courses:** Web Design & Programming; Interactive Infovis; Data Communication; Data-Driven Web Apps

WORK EXPERIENCE

Louisiana State University   **Baton Rouge, LA** (remote)
Data Visualization Consultant   *March 2025 - present*
- **Designed and developed interactive web visualizations** for a research study involving team members from Louisiana State University, the Water Institute, and the NSF National Center for Atmospheric Research
- Used **HTML, CSS, and JavaScript** to create public-facing Leaflet maps rendering socioeconomic and climate data for non-technical audiences

NSF National Center for Atmospheric Research   **Boulder, CO** (hybrid)
Frontend Developer Student Assistant - Visualization Services & Research Group   *February 2023 - February 2025*
- **Designed and developed open-source interactive web visualization** projects for atmospheric scientists visualizing multidimensional, large-scale climate datasets using **JavaScript** (**React, Node.js**, Plotly.js, D3.js) and Python
- Collaborated with team members via **Git workflows** on web applications using **RESTful APIs (Flask, FastAPI)**
- Earned exceptional performance award for creating a new website showcasing lab data visualizations **(TypeScript)**
- Presented posters at the American Meteorological Society's Student Conference and 104th Annual Meeting to communicate research comparing using JavaScript vs Python for complex, multidimensional dataset visualization
- Worked in an **Agile** environment; regularly shared **experimental prototypes/research** on new tools in team meetings

Cornell Lab of Ornithology   **Ithaca, NY** (remote)
Media Curator Assistant   *January 2021 - August 2023*
- Curated and implemented **multimedia galleries** to enhance research text for over 100 species on Birds of the World, a subscription-based ornithological biodiversity website; completed text edits on over 200 webpages
- Resolved over 30 Jira tickets requesting **revisions to digital maps** of species ranges using QGIS point editing
- Corresponded regularly with researchers and editors to get feedback for scientific accuracy and public communication

Cornell University   **Ithaca, NY**
Web Development Teaching Assistant   *August 2022 - December 2022*
- Led weekly lab sessions teaching 25 undergraduate students **HTML, CSS, JavaScript**, and user interface design
- Graded websites for functionality, mobile responsiveness, and adherence to Web Content Accessibility Guidelines

Denver Museum of Nature and Science   **Denver, CO**
Summer Intern   *May 2018 - August 2018*
- Conducted statistical analysis using Excel on field-collected data; presented results in a showcase open to the public

SKILLS & INTERESTS

Skills: Web development (HTML, CSS, JavaScript, TypeScript; also frameworks such as React, Next.js, Node.js, Astro); **interactive data visualization** with JavaScript and Python (D3.js, Mapbox, Leaflet, Flask); **data analysis and processing** (pandas, NumPy, scikit-learn); **user experience design** (Figma); **command line** (bash, zsh)

Interests: Long-form journalism; language learning; digital and watercolor art; origami; birdwatching; puzzles