

Katrina Ni

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Education

University of Wisconsin-Madison

Sep 2023 - June 2027

Bachelor of Science (B.S.): Information Science & Data Science

Courses: STAT 340, CS 220, CS200, LIS 351

Work experience

Beijing, China - Sinovention Ventures | IT Intern

05/2025 – 08/2025

- Developed and deployed a backend Django/ Python monitoring system for 10+ servers/VMs with real-time dashboards and automated alerts, enhancing infrastructure stability and reducing 80% manual checks
- Maintained bilingual corporate website (HTML), formatted and published 10+ tech and news blog posts, improving update timeliness and visual consistency
- Oversaw company-wide IT asset leasing by coordinating with vendors, verifying contracts and pricing, and ensuring accurate equipment flow, while also resolving 200+ employee IT issues, assisting in weekly server maintenance, and onboarded 3 interns through workflow documentation and hands-on guidance

UW-Madison - Memorial Library | Public Services Student Assistant

04/2024 – Present

- Provide front-line support by assisting patrons with material checkouts, shelving, and inquiries in person and via phone, ensuring smooth daily operations
- Resolve access issues and troubleshoot resource discrepancies through collaboration with staff, demonstrating strong problem-solving and communication skills in a fast-paced environment

UW-Madison - University Housing, Dining & Culinary Services | Culinary Assistant

01/2024 – 06/2024

- Served general costumers, replenished condiments and serving utensils
- Gained organizational skills for efficient set-up of serving stations and approached tasks with carefulness and responsibility to ensure both quality and efficiency

Leadership

UW-Madison - BioKind | Healthcare & Social Well-Being Data Project Member

03/2025 – Present

- Spearheaded data pipeline development in a 6-person team, leveraging Python and R to clean, standardize, and integrate 30+ years of multi-source datasets (CDC, BLS, County Health Rankings) for cross-domain analysis of healthcare, employment, and social well-being metrics
- Designed interactive data visualizations (Matplotlib/ggplot2) to identify trends across 10+ U.S. counties, enabling comparative insights with Dane County

UW-Madison - Astronomy Club | Total Solar Eclipse Viewing Volunteer

02/2024 – 04/2024

- Supported a large-scale STEM outreach initiative for 5,000+ attendees, coordinating with 40+ volunteers to distribute eclipse-viewing resources to 52 schools (25,000+ students) in the Metropolitan School District
- Contributed to logistical planning and problem-solving during team meetings, ensuring effective resource allocation and community engagement

UW-Madison - Niedenthal Emotions Lab & Transfer Learning Lab | Research Participant

01/2024 – 03/2024

- Conducted 10-session RRA (Rapid Research Assessment) studies on emotional response mechanisms and 8-session motor skill transfer experiments
- Gained hands-on experience with research data organization, lab equipment protocols, and quantitative analysis of sensory processing

Skills

Skills: Python, R, Microsoft Office (Word, PowerPoint, Excel), Adobe Premiere Pro

Languages: English (TOFEL 110), Chinese (Native)