Zichen Fan

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EDUCATION

Duke Kunshan University (DKU)   **Graduation** May 2025
Environmental Science-Biogeochemistry   Kunshan, China
- GPA: 3.52/4.0;
- Honors: Dean's List Fall 2021, Dean's List with Distinction Fall 2023, Summer Research Scholar 2023
- Study aboard: Fall of 2023 at Duke University, GPA: (4.0/4.0)
- Relevent Courses: *Applied Environmental Science and Policy, Biodiversity and Conservation, Global Change Biology, Bioeochemistry, Energy and Environment, General Ecology, Life Cycle Assessment*

Columbia university Irving Medical Center   **Expected Graduation** May 2026
Environmental Health Data Science   New York, United States
- Relevent Courses: *Data Science, Biostatistics, Molecular Epidemiology,Environmental Health Science*

PROFESSIONAL EXPERIENCE

Guotai Junan Securities, Jiangsu Branch (Financial Products Department Intern**)**   June – July 2024
- Collected and analyzed data from Wind Financial Terminal, including market trends, financial statements, and macroeconomic indicators; created 10+ detailed reports and visualizations used in client presentations and strategic planning.
- Conducted in-depth analysis of 15 leading companies in the technology, healthcare, and manufacturing sectors; assessed ESG compliance, green policies, and market strategies to contribute to three sector-specific research reports.
- Organized and facilitated two cross-functional workshops on financial modeling and quantitative analysis, training 10+ junior team members on advanced techniques and tools to improve team capabilities.

Nanjing, China

RESEARCH EXPERIENCE

Studying the impact of intertidal wetland destruction on benthic community at Lianyungang   May- Aug. 2023
Summer Research Scholar
- Conducted fieldwork in estuarine habitats, performing benthic organism sampling at 10+ intertidal wetland sites; implemented standardized ecological survey methods to ensure data consistency and reliability.
- Processed 200+ laboratory samples, sorting, identifying, and measuring benthic invertebrates to assess species diversity, abundance, and biomass for ecological impact analysis.
- Applied morphological and taxonomic classification techniques to update the Yangtze River estuaries' benthic species inventory, identifying 15 previously unrecorded species.

Investigation on Foraging Ecology of Asian Dowitchers at Coastal Wetland at Lianyungang   Aug. 2023-Present
Core Member
- Conducted focal sampling to document foraging behaviors of migratory shorebirds, designing ethograms and analyzing video samples using BORIS software to record detailed behavioral data.
- Performed statistical analysis in Python to evaluate foraging strategies and dietary preferences of three shorebird species, linking resource utilization patterns to habitat suitability at critical stopover sites.
- Authored reports on the site's ecological role; identified species-specific prey preferences, such as Asian Dowitchers concentrating in areas with higher sandworm populations, demonstrating uneven species distribution driven by prey availability.

LEADERSHIP & SERVICE

Student Interconnection Organization, DKU (*Co-founder*)   June 2022- May 2023
- Co-founded the organization to foster a culturally diverse campus community by recruiting students and planning the first campus cultural exhibition, which later became an annual event; led the activity department, coordinating venues and budgets.

Environment Club, DKU (*President*)   Jan.-May 2023
- Integrated art, ecology, and media elements to design and host monthly sustainability lectures, documentary screenings, and upcycling old clothing events in collaboration with other clubs; assisted in developing organizational operating rules.

ADDITIONAL INFORMATION

- **Languages**:English (Fluent, TOFEL with 106, GRE 328), Mandarin Chinese (Native)
- **Computer skills**: Microsoft Office, R, Open LCA; **Interests:** Guitar, Badminton, Dance