Susie (Xuanxuan) Zhang

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT Los Angeles, CA
Master of Financial Engineering Expected Dec 2027

UNIVERSITY OF MICHIGAN, ANN ARBOR Ann Arbor, MI
B.S. Mathematics of Finance and Risk Management, Honors in Statistics May 2026

- *Awards:* Highest Honors in Statistics
- *Relevant Courses:* Probability, Quantitative Finance, Numerical Analysis, Stochastic Analysis, Machine Learning

SKILLS

- *Technical Skills:* Python, R, C/C++, SQL, MATLAB, Excel, Power Query

EXPERIENCE

BWI GROUP Brighton, MI
Global Tier-1 automotive supplier specializing in braking and suspension systems. Summer 2026
Finance Administrative Intern

- Developed a reusable Python-based self-service reconciliation portal to automate monthly analysis of ~3,000 SAP sales records, enabling Finance users to upload Budget and Actual Excel/CSV files and generate matched datasets, price and volume variance decomposition, and visualizations.
- Developed a Python-based workflow automation demo to standardize data transformation across datasets and file formats, reducing manual reformatting and data-entry errors for the Sales team.
- Enhanced an internal Python visualization tool for multi-damper comparative analysis and developed a separate ramp-analysis module with grouping, annotations, and zoom controls in a unified UI.

CARBON HQ Sydney, Australia
Climate-tech startup focused on carbon project management and credit issuance. Summer 2025
Data Analysis Intern

- Analyzed 580,000+ Gold Standard and Verra carbon-credit records to assess 2024-2025 market dynamics, identifying supply, demand, and issuance trends across key project segments.
- Developed a 5-category project classification framework and ranked developers by market activity and 2023-2024 year-over-year growth, producing 8 visualizations to highlight competitive and market trends.

PROJECTS

Honors Thesis in Statistics: *Analysis of U.S. News Top 50 Statistics Programs* Sep 2025 - May 2026

- Built and standardized an original dataset of 1,175 faculty records across the top 50 U.S. Statistics departments and 92 Ph.D.-granting institutions, covering doctoral cohorts from 1967-2025.
- Modeled faculty placement as a directed count network using Bradley-Terry-Luce (BTL) and Latent Space Directed Counting Network (LSCN) models, revealing concentrated faculty production and a strong link between placement strength and U.S. News rankings.

Lab of Geometry at Michigan (LoG(M)): *Stochastic Control in Financial Decision Making* Sep - Dec 2025

- Modeled continuous-time portfolio allocation between risky and risk-free assets using Brownian motion, SDEs, CRRA utility, dynamic programming, and the HJB framework.
- Implemented Monte Carlo and nested Monte Carlo simulations to estimate optimal risky allocations under consumption and terminal-wealth objectives, validating comparative statics against published benchmarks and presenting results in a research poster and 12-page paper.

ADDITIONAL INFORMATION

- *Languages: Mandarin* (native), French (intermediate)
- *Interests:* Basketball (team founder & former captain), Journaling