

Niuniu Zhang

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Education

Exp. 2029	UCLA, PhD in Operations Management (DOTM), Los Angeles, CA
May 2023	University of Pennsylvania, MA Applied Mathematics (AMCS), Philadelphia, PA
May 2021	New York University, MA Visual Arts Administration, New York, NY
June 2019	Union College, BS Mathematics and French, Minor in Visual Arts, Schenectady, NY

Articles

WORKING PAPERS

1. “Too Noisy to Collude? Algorithmic Collusion Under Laplacian Noise”, Zhang, N. (2025). Working Paper.
– Invited policy article at [ProMarket](#), Stigler Center at UChicago Booth, Dec. 2025.
2. “Fairness Behind the Veil: Eliciting Social Preferences from Large Language Models”, Dong, Y., M. Ma, N. Trigo, and N. Zhang (2025). In Preparation.

SUBMITTED / UNDER REVIEW / UNDER REVISION

3. “Economics of NFTs: The Value of Creator Royalties”, Falk, B., B. Gu, G. Tsoukalas, and N. Zhang (2022).
Information Systems Research, Major Revision, under revision for resubmission.

PUBLISHED/ACCEPTED

4. “Detecting Crypto Wash Trades via Machine Learning”, Falk, B., G. Tsoukalas, and N. Zhang (2025).
Research Policy, 105508.

THESES

5. “Being An Artist Is Hard: Navigating the Dynamics of Money and Power”, Zhang, N. (2021).
Master’s Thesis, Visual Arts Administration, New York University.

Conferences / Workshops

ECONOMICS OF NFTs [3]

Oct 2025	INFORMS Annual Meeting, Atlanta, GA. [slides]
Oct 2024	INFORMS Conference on Information Systems and Technology, Seattle, WA. [slides]
Mar 2023	Crypto & Blockchain Economics Research Forum Symposium, Virtual (co-author*). [video]

FAIRNESS BEHIND THE VEIL [2]

July 2025 EC'25 Workshop on Information Economics x Large Language Models, Stanford, CA. [poster]

Teaching Experience

ANDERSON SCHOOL OF MANAGEMENT, UCLA, LOS ANGELES, CA

Sp. 2026 Teaching Assistant, [MGMTMSA 408 Operations Analytics](#), MSBA
Supervised by [Velibor Mišić](#)

Win. 2026 Teaching Assistant, [MGMTMSA 403 Optimization](#), MSBA
Supervised by [Auyon Siddiq](#)

Sum. 2025 Teaching Assistant, [MGMTGEX402 Data Analysis and Management Decisions](#), EMBA
Supervised by [Elisa Long](#)

PENN ENGINEERING, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA

Sp. 2024 Teaching Assistant, [EAS 5830 Blockchains](#), Graduate
Supervised by [Brett Hemenway Falk](#)

Sp. & F. 2022 Teaching Assistant, [CIS 5150 Fundamentals of Linear Algebra and Optimization](#), Graduate
Supervised by [Jean Gallier](#)

Awards & Honors

2024-2029 Anderson School of Management PhD Fellowship, UCLA

2019 summa cum laude, Union College

2019 Departmental Honors in Mathematics and in French, Union College

2019 Phi Beta Kappa Inductee, Academic Honor Society

2019 Pi Delta Phi Inductee, French Honor Society

Technical Skills

Python, C, C++, Bash, Mathematica, MATLAB, R, \LaTeX

Theoretical Foundations

MATHEMATICS

Complex Analysis, Real Analysis and Measure Theory, Functional Analysis, Probability Theory, Stochastic Processes, Advanced Algebra, Commutative Algebra, and Representation Theory

– Passed the [Applied Math written preliminary exam](#) in Analysis, Algebra, and Probability at the University of Pennsylvania.

COMPUTER SCIENCE

Theory of Computation, Cryptography