

TIFFANY DING

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| CONTACT | 393 Evans Hall, University of California, Berkeley Email: tiffany_ding@berkeley.edu Homepage: tiffanyding.github.io | |
| EDUCATION | University of California, Berkeley Ph.D. Candidate in Statistics Advisors: Michael I. Jordan and Ryan J. Tibshirani Expected graduation: May 2026 | Berkeley, CA <i>2021 – present</i> |
| | Brown University Sc.M. in Computer Science Advisor: Stephen Bach | Providence, RI <i>2020 – 2021</i> |
| | Brown University Sc.B. in Applied Mathematics (GPA: 4.0, magna cum laude) Advisor: Charles Lawrence | Providence, RI <i>2017 – 2021</i> |
| INDUSTRY | Amazon | New York, NY |
| EXPERIENCE | Applied Scientist Intern Developed game-theory models for Amazon marketplaces on the SCOT RL team with Omer Gottesmann and Dean Foster. | <i>Summer 2024</i> |
| | Johns Hopkins University APL Machine Learning Research Intern Implemented uncertainty quantification methods for object tracking. | Remote <i>Summer 2020</i> |
| | Facebook Data Science Intern Analyzed large datasets to track user growth on Facebook products. | Menlo Park, CA <i>Summer 2019</i> |
| FELLOWSHIPS AND AWARDS | Outstanding Graduate Student Instructor Award, UC Berkeley NSF Graduate Research Fellowship Jerome L. Stein Memorial Award, Brown University Dept. of Applied Math 2nd Place, Citadel East Coast Regional Datathon Outstanding Paper, Interdisciplinary Contest for Modeling 1st Place, Brown Math Contest for Modeling Grace Hopper Scholar, AnitaB.org | <i>Mar 2025</i> <i>2022 – present</i> <i>May 2021</i> <i>Sep 2020</i> <i>Feb 2020</i> <i>Nov 2019</i> <i>Oct 2019</i> |

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| TEACHING | UC Berkeley | Berkeley, CA |
| EXPERIENCE | Graduate Student Instructor | |
| | STAT 153: Introduction to Time Series (Fall 2024) | |
| | DATA 102: Data, Inference, and Decisions (Spring 2022) | |
| | Brown University | Providence, RI |
| | Undergraduate Teaching Assistant | |
| | DATA 2080: Data and Society (Spring 2021) | |
| | DATA 1050: Data Engineering (Fall 2019) | |
| | CSCI 0040: Intro to Scientific Computing (Spring 2019) | |
| | CSCI 0170: CS: An Integrated Introduction (Fall 2018) | |
| PUBLICATIONS | Conformal Prediction for Long-Tailed Classification. <u>T. Ding</u> , J. Fermanian, J. Salmon. <i>arXiv preprint arXiv:2507.06867</i> , 2025+. | |
| AND | | |
| PREPRINTS | Marketplace Operators Can Induce Competitive Pricing. <u>T. Ding</u> , D. Perrault-Joncas, O. Ronen, M. I. Jordan, D. Bergemann, D. Foster, O. Gottesman. <i>arXiv:2503.06582</i> , 2025+. | |
| | Privacy Can Arise Endogenously in an Economic System with Learning Agents. N. Ananthakrishnan*, <u>T. Ding</u> *, M. Werner*, S. P. Karimeddy, M. I. Jordan. <i>Foundations of Responsible Computing</i> , 2024. | |
| | Class-Conditional Conformal Prediction with Many Classes. <u>T. Ding</u> , A. N. Angelopoulos, S. Bates, M. I. Jordan, R. J. Tibshirani. <i>Neural Information Processing Systems (NeurIPS)</i> , 2023. | |
| | Learning from Multiple Noisy Partial Labelers. P. Yu, <u>T. Ding</u> , S. H. Bach. <i>International Conference on Artificial Intelligence and Statistics (AISTATS)</i> , 2022. | |
| | A Seabird Population Model to Evaluate Plastic Pollution Policies. <u>T. Ding</u> *, S. Kumar*, S. Shaw*. <i>UMAP Journal of Undergraduate Mathematics and Its Applications</i> , Vol. 41, No. 3, 2020. | |
| | Mining Drugs and Indications for Suicide-Related Adverse Events. <u>T. Ding</u> , E. S. Chen. <i>AMIA Annual Symposium Proceedings</i> , 2019. | |
| | *equal contribution | |
| TALKS | Calibrated Multi-Level Quantile Forecasting. Joint Statistical Meetings, Aug 2025. | |
| | Calibrated Multi-Level Quantile Forecasting. Invited talk, International Symposium on Forecasting, Jul 2025. | |
| | The Role of the Marketplace Operator in Inducing Competition. Invited talk, OCEAN ERC Seminar Series, Mar 2025. [video] [slides] | |
| | How Should We Construct Prediction Sets?. Invited talk, Machine Learning in Montpellier Seminar, Mar 2025. [slides] | |
| | Learning to Localize: Online Weighted Conformal Prediction. Joint Statistical Meetings, Aug 2024. | |

Privacy Can Arise Endogenously. Invited talk, Symposium on Foundations of Responsible Computing, Jun 2024. [\[slides\]](#)

Discussion on Self-Consistent Conformal Prediction. Invited discussion, International Seminar on Selective Inference, Mar 2024. [\[video\]](#)

Class-Conditional Conformal Prediction with Many Classes. Invited talk, Alaa Lab Rising Stars Series, Feb 2023. [\[video\]](#) [\[slides\]](#)

OUTREACH
AND SERVICE

Leadership & Committee Roles

Director, Women in Machine Learning Board of Directors (2025–present)
Diversity Committee Chair, UC Berkeley Statistics Graduate Student Association (SGSA) (2022–present)
Fellowship Committee Member, UC Berkeley SGSA (2022–present)
Service Committee Member, UC Berkeley SGSA (2021–2024)
Undergraduate President, Association of Women in Mathematics, Brown University (2020–2021)

Workshop Organizer

Berkeley-Genentech Workshop on Uncertainty Quantification for Decision-Making (2025)
Workshop on Human-AI Collaboration at EC 2025
Women in Machine Learning Un-workshop at ICML 2023

Mentor

Berkeley Mathematics Directed Reading Program (2024)
UC Berkeley Statistics Grad–Undergrad Mentorship Program (2021–Present)
NSF GRFP Workshop, UC Berkeley (2022)
Women in Science and Engineering, Brown University (2018–2021)
Women in Computer Science, Brown University (2019–2021)
Matched Advising Program for Sophomores, Brown University (2019–2021)
Rewriting the Code (2020–2021)

Reviewer

Reviewer, *Philosophical Transactions of the Royal Society A* (2025–present)
Reviewer, *Transactions on Machine Learning Research* (2022–present)
Judge, ENVISION Research Competition by WiSTEM (2022)

Last updated October 2025