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Institutions of Higher Education Attended

PHD, University of Arizona.

MS, University of Arizona.

BS, Brigham Young University.

Significant Professional Works

Refereed Journal Articles

Birrell, J., Katsoulakis, M. A., Rey-Bellet, L., Zhang, B., Zhu, W. (2025). Nonlinear denoising score matching for enhanced learning of structured distributions. *Computer Methods in Applied Mechanics and Engineering*.

Birrell, J., Rey-Bellet, L. (2025). Concentration Inequalities and UQ Bounds for Hypocoercive MCMC Samplers. *Quarterly of Applied Mathematics*.

Birrell, J., Ebrahimi, R. (2025). Optimal Transport Regularized Divergences: Application to Adversarial Robustness. *SIAM Journal on Mathematics of Data Science, 7*, 1801-1827.