HONORS & AWARDS

John Reinitz Memorial Lecture, University of Chicago Committee on Computational & Applied Mathematics, 2025
American Dissertation Fellowship, American Association of University Women, 2025-2026
Graduate Research Fellowship, National Science Foundation, 2020-2025
Student Travel Award: MDS2024, Society for Industrial and Applied Mathematics, 2024
Outstanding Poster Award, University of Chicago Statistics Department Student Poster Day, 2024
Outstanding Teaching Assistant Award, University of Chicago Computational and Applied Mathematics, 2022
Elaine K. Bernstein Women in Science Award, University of Chicago, 2020
Junior of the Year, Brigham Young University Mathematics Department, 2019
Outstanding Poster Award, Joint Mathematics Meetings, 2019
Presidential Scholarship (1.5x Tuition), Brigham Young University 2015-2020

TALKS

S. Parkinson (2025). *Neural Networks Can Automatically Adapt to Low-Dimensional Structure in Inverse Problems,* Brigham Young University Applied Analysis Seminar, Provo, UT

S. Parkinson (2025). *Depth Separation in Learning via Representation Costs,* IFDS Workshop on Theoretical Foundations of Applied AI, Seattle, Washington

S. Parkinson (2024). *Linear Layers in ReLU Networks Promote Learning Single-/Multiple-Index Models,* SIAM Conference on Mathematics of Data Science, Atlanta, GA

S. Parkinson (2024). *Depth Separation in Learning via Representation Costs,* Computational Harmonic Analysis in Data Science and Machine Learning, Oaxaca, Mexico

S. Parkinson (2024). *Depth Separation in Learning via Representation Costs,* Brigham Young University Applied Math Seminar, Provo, UT

S. Parkinson, S. (2023). *Finding Low-Rank Functions Using Linear Layers in Neural Networks*, University of Chicago Computational and Applied Mathematics Student Seminar, Chicago, IL

L. Erekson, **S. Parkinson**, D. Christensen, N. Larsen, T. Jarvis (2020). *A Hybrid Multivariate Root-finding Method For Smooth Functions*, Joint Mathematics Meetings, Denver, CO

S. Parkinson, N. Larsen, E. Parkinson, H. Ringer, T. Moncur, T. Jarvis (2019). *Fast, stable multivariate numerical rootfinding in a compact region.*, Joint Mathematics Meetings, Baltimore, MD

POSTERS

S. Parkinson (2025). *Depth Separation in Learning via Representation Costs,* IFDS Workshop on Theoretical Foundations of Applied AI, Seattle, Washington

S. Parkinson (2025). *Depth Separation in Learning via Representation Costs,* Midwest Machine Learning Symposium, Chicago, IL

S. Parkinson (2024). *Depth Separation in Learning via Representation Costs,* Conference on Learning Theory, Edmonton, Canada

S. Parkinson (2024). *Depth Separation in Learning via Representation Costs,* University of Chicago Statistics Department Student Poster Day, Chicago, IL

S. Parkinson, S. (2023). *Linear Layers Promote Learning Single-/Multiple-Index Models*, Midwest Machine Learning Symposium, Chicago, IL

S. Parkinson, N. Larsen, E. Parkinson, H. Ringer, T. Moncur, T. Jarvis (2019). *Numerical rootfinding on a compact region.*, Joint Mathematics Meetings, Baltimore, MD