

Andrew Gracyk

University of Illinois Urbana-Champaign
<https://andrewgracyk.com/>

agracyk2 at illinois dot edu

Education

University of Illinois Urbana-Champaign 2021-present
MS, Statistics
Advised by Xiaohui Chen
Research sponsored by National Science Foundation

University of California, Santa Barbara 2019-2021
MA, Applied Mathematics
Advised by Paul Atzberger

University of California, Los Angeles 2015-2019
BS, Applied Mathematics, minor in Statistics
ALD/PES Honor Society

London School of Economics 2018
Summer study abroad in accounting

Publications

GeONet: a neural operator for learning the Wasserstein geodesic 2022
[Andrew Gracyk](#), Xiaohui Chen.
Preprint.

Graduate research experience

Machine learning research – DIGIMAT 2022-present
Research within DIGIMAT research association in materials and data science, co-hosted by the National Center for Supercomputing Applications and Materials Research Lab.

Machine learning research – Atzberger Research Group 2020-2021
Member of research group in machine learning and applied mathematics at UCSB.

Undergraduate research experience

Statistics research assistant 2019
Worked with Frederic Schoenberg, professor of statistics at UCLA, in imaging.

Statistics research in financial stochastic processes 2019
Performed statistics research in options trading using numerical simulation.

Mathematics research in numerical analysis 2018
Conducted numerical methods research with Chris Anderson, professor of mathematics at UCLA, in high frequency trading.

Mathematics research in stochastic differential equations 2018
Analyzed and applied research in numerical methods for financial stochastic differential equations.

Academic employment

University of Illinois Urbana-Champaign, statistics teaching assistant 2021-2022
University of California, Santa Barbara, mathematics teaching assistant 2019-2020

Skills

- Machine learning, deep learning, PyTorch, statistics, applied mathematics
- Programming languages, experienced: Python, R
- Additional programming languages: MATLAB, C++