ETHAN YOUNG

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EDUCATION

University of California, Los Angeles
Ph.D. Statistics   *2025–Present*
B.S. Data Theory   *2019–2023*

University of Washington
M.S. Applied and Computational Mathematics   *2024–2025*

PUBLICATIONS

Journals

· *Dynamical importance and network perturbations*. **Ethan Young** and Mason A. Porter. *Physical Review E* 110 (6): 064304, 2024.

Conferences

· *Comparing shallow and deep graph models for brain network analysis*. Erica Choi, Sally Smith, and **Ethan Young** (alphabetical). The First International Workshop on Neural Network Models for Brain Connectome Analysis (BrainNN): *IEEE International Conference on Big Data* (Big Data): 4962–4967, 2022.

EMPLOYMENT

Reader   Department of Statistics and Data Science, UCLA

· STATS 13: *Introduction to Statistical Methods for Life and Health Sciences*   F25
Instructor: Dale Kim

RESEARCH EXPERIENCES

Shallow vs. Deep Brain Network Models for Mental Disorder Analysis   Emory University
Advisor: Carl Yang   *May 2022–July 2022*

· Worked in a team at the Emory REU on Computational Mathematics for Data Science hosted by Emory University
· Benchmarked the classification performance of graph kernel SVM and various graph neural network models on neuroimaging data

Machine Learning for Materials Science and Civil Engineering   UCLA
Advisors: Yu Song, Mathieu Bauchy   *April 2022–January 2024*

· Member of the machine learning subgroup at UCLA PARISlab (Physics of AmoRphous and Inorganic Solids Lab)
· Refined symbolic regression models to more accurately infer the viscosity of glass materials by optimizing hyperparameters in the *gplearn* and *GPTIPS* packages

TALKS

Contributed

· *Comparing Shallow and Deep Graph Models for Brain Network Analysis*. IEEE Big Data BrainNN Workshop. Osaka, Japan. December 18, 2022.