Addison Hu

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Education

August 2018 – December 2023 **Carnegie Mellon University**, *Pittsburgh, PA*.
- PhD, Department of Statistics and Machine Learning Department (joint)
- Thesis: Estimation of BV^k functions from scattered data.

July 2022 – December 2023 **University of California, Berkeley**, *Berkeley, CA*.
- Visiting Researcher, Department of Statistics

August 2013 – May 2017 **Yale University**, *New Haven, CT*.
- BSc, Statistics; Distinction in Major; magna cum laude

Professional Experience

September 2024 – present **Senior Scientist**, *Latitude AI*, Palo Alto, CA.
- Performance Prediction.

January 2024 – August 2024 **Visiting Scientist**, *Latitude AI*, Palo Alto, CA.
- Learned Autonomy Behavior.

July 2017 – August 2018 **Data Scientist**, *Facebook*, Seattle, WA.
- Search Core Relevance.

Papers

2023 **Sarabeth Mathis, et al**, *Evaluation of FluSight influenza forecasting in the 2021-22 and 2022-23 seasons with a new target laboratory-confirmed influenza hospitalizations*.

2022 **Addison J Hu, Alden Green, and Ryan J Tibshirani**, *The Voronoigram: Minimax estimation of bounded variation functions from scattered data*, Submitted.

2021 **Veeranjaneyulu Sadhanala, Yu-Xiang Wang, Addison J Hu, and Ryan J Tibshirani**, *Multivariate trend filtering for lattice data*, Submitted.

2021 **Daniel J McDonald, Jacob Bien, Alden Green, Addison J Hu, [nine more authors]**, *Can auxiliary indicators improve COVID-19 forecasting and hotspot prediction?*, Proceedings of the National Academy of Sciences.

2021 **Alex Reinhart, et al**, *An open repository of real-time COVID-19 indicators*, Proceedings of the National Academy of Sciences.

2021 **Estee Y Cramer, et al**, *Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US*, Proceedings of the National Academy of Sciences.

2020 **Addison J Hu, Mikael Kuusela, Ann B Lee, Donata Giglio, and Kimberly M Wood**, *Spatio-temporal methods for estimating subsurface ocean thermal response to tropical cyclones*, Advances in Statistical Climatology, Meteorology and Oceanography.

2017 **Addison J Hu and Sahand N Negahban**, *Minimax estimation of bandable precision matrices*, Advances in Neural Information Processing Systems.

Awards

Spring 2020 **NSF Graduate Research Fellowship Program**.
- My graduate study was funded by a grant from the NSF to study multivariate extensions of trend filtering for scattered data. The research conducted under this grant culminated in my dissertation.

Service, Professional

2021–2023 **Referee**, *Annals of Statistics, Journal of Machine Learning Research, Journal of Computational and Graphical Statistics*.

2019, 2020, 2021 **Reviewer**, *Neural Information Processing Systems*.
– Top reviewer: 2019, 2020.

Spring 2020 – present **Wellness Committee**, *CMU Department of Statistics*, Pittsburgh, PA.
– Organize discussions, events, and other opportunities to promote holistic student wellness within my home department.

Service, Community

September 2017 – June 2018 **Tutor**, *Youth Tutoring Program*, Seattle, WA.
– Tutoring & mentoring for Seattle-area students from low- and mixed-income housing.

August 2013 – May 2014 **Math Coach**, *MathCounts Outreach*, New Haven, CT.
– Afterschool mathematics coaching to students in the New Haven public school system.

August 2013 – May 2014 **English Tutor**, *Bridges ESL*, New Haven, CT.
– English as a second language classes for members of the New Haven immigrant community.

Technical Skills

Python, C++, R, LaTeX, SQL, C, Git, Spark (Scala)