

# Addison Hu

✉ mail@huisaddison.com

## Education

- August 2018 – **Carnegie Mellon University**, *Pittsburgh, PA*.
- December 2023 – PhD, Department of Statistics and Machine Learning Department (joint)
  - Thesis: Estimation of  $BV^k$  functions from scattered data.
- July 2022 – **University of California, Berkeley**, *Berkeley, CA*.
- December 2023 – Visiting Researcher, Department of Statistics
- August 2013 – **Yale University**, *New Haven, CT*.
- May 2017 – BSc, Statistics; Distinction in Major; magna cum laude

## Professional Experience

- January 2024 – **Visiting Scientist**, *Latitude AI*, Palo Alto, CA.
  - present – Learned Autonomy Behavior.
- July 2017 – **Data Scientist**, *Facebook*, Seattle, WA.
- August 2018 – 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*, Manuscript.
- 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 – **Wellness Committee,** *CMU Department of Statistics, Pittsburgh, PA.*

present - Organize discussions, events, and other opportunities to promote holistic student wellness within my home department.

## Service, Community

September 2017 – **Tutor,** *Youth Tutoring Program, Seattle, WA.*

June 2018 - Tutoring & mentoring for Seattle-area students from low- and mixed-income housing.

August 2013 – **Math Coach,** *MathCounts Outreach, New Haven, CT.*

May 2014 - Afterschool mathematics coaching to students in the New Haven public school system.

August 2013 – **English Tutor,** *Bridges ESL, New Haven, CT.*

May 2014 - English as a second language classes for members of the New Haven immigrant community.

## Technical Skills

Python, C++, R,  $\text{\LaTeX}$ , SQL, C, Git, Spark (Scala)