Addison Hu

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Education

2013 – 2017 **Yale University**, *New Haven, CT*.
- Bachelor of Science, Statistics
- Research involved computationally efficient methods for optimizing over large-scale data sets and high-dimensional estimation of precision matrices.

Experience

2017–present **Data Scientist**, *Facebook*, Seattle, WA.
- Guides development of the Search and Workplace products

2016–2017 **Research Assistant**, *Yale Statistics*, New Haven, CT.
- Implementing approximations to second-order optimization algorithms in distributed settings
- Studied risk bounds for estimation of bandable precision matrices.

Summer 2016 **Data Scientist**, *OnCorps*, Cambridge, MA.
- Authored internal R library to rapidly and faithfully visualize classification trees via D3.js, with integration into core products and services
- Built pipelines for data aggregation, cleanup, and analysis in R and Python
- Developed and maintained internal and client-facing dashboards in R Shiny to monitor product engagement rates and outcomes

2015–2016 **Research Assistant**, *Yale Institute for Network Science*, New Haven, CT.
- Wrote pruning and local clustering algorithms based on novel research (C++)
- Data cleanup and analysis in R and Python

2015–2017 **Teaching Fellow**, *Yale Depts of Computer Science: Statistics*, New Haven, CT.
- Held office hours for STAT 230, an introduction to the R statistical language through applications in inference, simulation, model selection, k-means, PCA, and other methods.
- Serving in a teaching and grading role for 'Computational Tools for Data Science', covering optimization, dimensionality reduction, clustering, dictionary learning, matrix factorization, large-scale data, etc., with applications in Python and Spark.
- Provided supplementary instruction for 'Introduction to Information Systems', taught in R and Python

Technical Skills

Proficient R, Python, Spark (Scala), Linux, LaTeX, SQL
Basic C, Git, MongoDB