

Steven Ellis

Education

Brown UniversityA.B. 2011
Applied Psychology *magna cum laude*

Experience

Executive Office of The President of the United States....Data Scientist.... 1/2023 – 6/2023

- Tour of duty with the United States Digital Service, the White House's in-house tech team.
- Produced the first comprehensive analysis of federal funding for Puerto Rico.

GoBuild (defunct).....Second Employee 7/2020 – 6/2021

- Ideated and developed pre-seed startup's product, an AI/ML (R, XGBoost) tool which estimated effect of renovations on sales price.
- Led acquisition of home purchase data, computer vision API, and other miscellaneous datasets.
- Contributed to successful YCombinator application and subsequent funding round.

Divvy Homes Head of Data Science 9/2018 – 6/2020

- Developed Series A/B startup's first home pricing and credit AI/ML (R, ensemble XGBoost / KNN) services.
- Developed AI/ML service APIs, monitoring, and error-handling (R, Python), deployed to production (Github, Heroku).
- Developed and implemented policies to re-balance riskiness of home and tenant portfolio.
- Hired and managed two data scientists, roadmapped and directed projects.
- Engaged with equity and debt investors before, during, and after successful funding round.
- Led acquisition of home purchase data.

Uber Technologies Data Scientist 5/2014 – 12/2016

- Sixth data scientist, served as company-wide experimentation expert, wrote guide to mobile experimentation.
- Introduced variance reduction to marketplace experimentation (R, Python, ensemble Random Forest / high-dimensional matching), pioneering causal inference methods at Uber.
- Launch member of Uber API, quantified value of partnerships using Random Forest (Python).
- Launch member of experimentation platform ("Morpheus"), identified and analyzed root-cause of hazardous flaws in tool.

Google (now Alphabet)..... Quantitative User Experience Researcher..... 4/2011 – 4/2014

- Guided Google Fiber rollout using high-dimensional matching (R) - <https://research.google/pubs/pub41379/>.
- Built interactive, live choropleth to track Google Fiber rollout.
- Guided Google Fiber SMB pricing using Choice-Based Conjoint analysis (R) - <https://research.google/pubs/pub41381/>.
- Mined ad data to guide Google Identity Platform partnerships team (R, Python, Dremel).
- Directed in-person research and followed up with production experiments on Single Sign-On product.