

ANNA BERMAN

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OVERVIEW

Data scientist with 5+ years experience translating data into actionable insights. Driven by complex projects with tangible social impact.

SKILLS

Languages: Python, R, SQL, Java, Netlogo

Technical Skills: Machine learning, Statistical modeling, Data visualization, NLP, Spark, Data wrangling, Version control, Git, Shiny, Data architecture, Survey design

Soft Skills: Communication, Data storytelling, Client relationships, Creative thinking, Critical thinking, Project management

EDUCATION & CERTIFICATES

DUKE UNIVERSITY

DURHAM, NC

MS, Interdisciplinary Data Science

Expected May 2020

Teaching Assistant: Data to Decision

Awards/Societies: ASA Datafest 2019 Winner 'Best Use of Outside Data', Duke Datathon 2018 Semi-Finalist, American Statistical Association

Relevant Coursework: Machine Learning, Modeling and Representation of Data, Data Management Systems, Big Data Statistical Programming, Data to Decision, Natural Language Processing, Data Logic & Visualization, Data Ethics, Probability, Survey Techniques, Causal Inference

UNIVERSITY OF ROCHESTER

ROCHESTER, NY

BS, Brain and Cognitive Science *Summa Cum Laude, Highest Distinction*

May 2014

BA, Psychology *Summa Cum Laude, Highest Distinction*

May 2014

Awards/Societies: Phi Beta Kappa, Raytheon Scholar, Dean's Scholarship

EXPERIENCE

CIVIS ANALYTICS

WASHINGTON, DC

Applied Data Science Intern

June 2019 – August 2019

- Unified large 1st- and 3rd-party datasets, engineered features, and prepared data for predictive modeling using SQL
- Contributed to NLP analysis and created interactive graphics published in *Fast Company*
- Generalized analyses with code able to be applied to future projects, saving 20+ ADS hours per engagement
- Improved R package used across 4 Civis verticals to streamline deliverable creation, saving 10+ ADS hours per week

FORRESTER RESEARCH

CAMBRIDGE, MA

Data Consultant, Custom Data Insights

February 2017 – June 2018

Senior Research Associate, serving Chief Marketing Officers

October 2015 – February 2017

- Contributed extensive data analyses, engaging visualizations, and actionable insights to stakeholders across a diverse range of industries
- Led C-suite delivery of regression analyses to evaluate global brand health
- Created to random forest model that quantified the operational qualities that best predict organizational agility
- Exceeded revenue goals every quarter by 30-115%.

HORIZONS FOR HOMELESS CHILDREN

ROXBURY, MA

Research Assistant

September 2014 – October 2015

- Overhauled organization's relational database and metrics for evaluating program efficacy
- Increased rates of high-quality assessment data collection from 7% to 84% in 6 months
- Spearheaded and evangelized new organizational research and evaluation agenda
- Led company-wide trainings on database usage and data quality assurance

YALE UNIVERSITY

NEW HAVEN, CT

Cognition & Development Lab, Intern

June 2013 – July 2013

- Engineered geographical cluster analysis to derive the average US university campus map
- Partnered with postdoctoral fellow to research adult knowledge domains through literature review, data collection, analysis, and presentation of findings