ANNA BERMAN

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OVERVIEW

Data scientist with 6+ years experience translating data into actionable insights. Enthusiastic learner driven by complex projects with tangible social impact.

SKILLS

Languages: Python, R, SQL, YAML, Java, Netlogo
Technical Skills: Machine learning, statistical modeling, data visualization, data pipelines, survey design, NLP, Spark, data wrangling, version control, git, shiny, database design
Soft Skills: Client communication, data storytelling, creative problem-solving, project management

EXPERIENCE

CIVIS ANALYTICS — WASHINGTON, DC
Applied Data Scientist II, Nonprofit & Advocacy — **June 2020 – Present**
Applied Data Science Intern, Nonprofit & Advocacy — **June 2019 – August 2019**

- Established reproducible data pipelines for large 1st- and 3rd-party datasets using SQL, YAML, Python, and R
- 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
- Fought for diverse and inclusive workplace by standardizing company-wide language guidelines

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 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

EDUCATION

DUKE UNIVERSITY — DURHAM, NC
MS, Interdisciplinary Data Science — **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

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