

Eli Ben-Michael

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EDUCATION

University of California, Berkeley, Berkeley, CA Expected May 2021
PhD in Statistics
Research Interests: Causal Inference, Machine Learning

Columbia University, Columbia College, New York, NY May 2016
Bachelor of Arts, *Summa Cum Laude*, Computer Science and Statistics
Honors: Phi Beta Kappa, Computer Science Department Award (top Computer Science Major), Dean's List (Fall 2012-Spring 2016)

EXPERIENCE

U.C. Berkeley Department of Statistics, Berkeley, CA Fall 2017
Graduate Student Instructor

- Lectured recitations and created assignments and assessments for Stat 159/259: Reproducible and Collaborative Data Science; the course focused on reproducible analysis using the Python data science stack and tools such as version control and Makefiles

Walmart Labs, Sunnyvale, CA Summer 2017
Machine Learning Scientist Intern

- Designed models of consumer purchase behavior to learn latent representations of products
- Implemented efficient learning algorithms on tens of millions of consumer purchases using Spark
- Assessed resulting representations' ability to reconstruct a human-generated catalog
- Communicated results to various teams across the organization

Knewton, New York, NY Summer 2016
Data Science Intern

- Generalized Bayesian models to incorporate hierarchical structure
- Scaled learning algorithms with a 10x speedup using Spark
- Analyzed performance, strengths, and weaknesses of models on student data
- Presented and documented models, code, and results

Columbia University Department of Economics, New York, NY Fall 2014 - Spring 2016
Research Assistant

- Built a natural language processing text analysis application in Python for use by economists
- Extracted text features from corpora using Python, NLTK, and gensim
- Performed econometric and statistical analysis on text data with associated meta data

EXTRACURRICULAR ACTIVITIES

Columbia Data Science Society, Vice President of Education Fall 2015 - Spring 2016

- Designed and taught workshops on data science tools such as Python and R
- Ran a committee of six people which organized educational events in data science

SKILLS

Machine Learning, Statistics, Python, R, SQL, Scala, Spark, MATLAB, Java