

# Benjamin Draves

I'm an Applied Data Scientist in NYC where I build recommendation systems to personalize user experiences in marketing campaigns. I am seeking Data Science opportunities where I can drive business growth by personalizing user experiences through recommendation system technologies.

## Experience

### Applied Data Scientist II – Uber

2022 – Present

New York City, NY

- Built data-driven systems to personalize user experiences in marketing campaigns. See below for selected projects.
- Developed new experiment measurement strategies for efficiency based metrics utilizing non-parametric and causal inference approaches.
- Organized weekly Learning and Development series for 150-person DS org.

#### Uber Eats – Merchant Rec. Systems

- Utilized multi-relational collaborative filtering to recommend grocers, alcohol & convenience merchants
- Constructed recommendation system to recommend restaurants with dish level offers

#### Uber – User Location Prediction

- Deployed model to predict a user's most likely location for any user on the Uber platform.
- Model serves as source of truth for marketing campaigns, powering over 2B touchpoints annually.

### Data Scientist Intern - Uber

Jun - Aug 2021

New York City, NY

- Developed a multi-label classification model using deep learning techniques in Keras for targeting applications in marketing campaigns.

### Data Scientist Intern – HP

Jan – May 2021

Remote – Boston, MA

- Designed and implemented an experimentation platform utilizing causal inference methods to assess changes in global pricing strategies.
- Deployed a gradient-boosted model to a production pricing tool.

### Lead Statistical Consultant - Boston University

2019-2020

Boston, MA

- Oversaw team of 14 Masters students working in BU's consulting center.
- Provided consulting services to 35 clients in industry and academia.

## Education

### Ph.D., Master of Arts: Statistics

2017-2022

Boston University - Boston, MA

- [Dissertation](#): Joint Spectral Embeddings of Random Dot Product Graphs
- Research Areas: Machine Learning, Matrix Analysis, Multivariate Stat.
- GPA: 3.98. Qualifying exams: Theoretical Probability, Applied Statistics

### Bachelor of Science: Mathematics

2014 - 2017

Lafayette College - Easton, PA

- GPA: 3.90. Graduated summa cum laude with honors and thesis.

## Contact

### Phone

(330) 428-5025

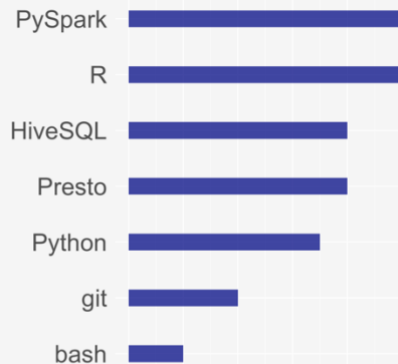
### E-mail

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### Website

[dravesb.github.io](https://dravesb.github.io)

## Languages



## Leadership & Awards

- Committee Chair – [BU Data Science Mentoring Circles](#)
- BU Excellence in Student Teaching Award
- BU Student Chapter of the ASA - Board Member
- Barge Oratorical Prize – most compelling thesis defense
- Mitman Math Award – most outstanding math major

## Hobbies & Interests



