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 regression 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.
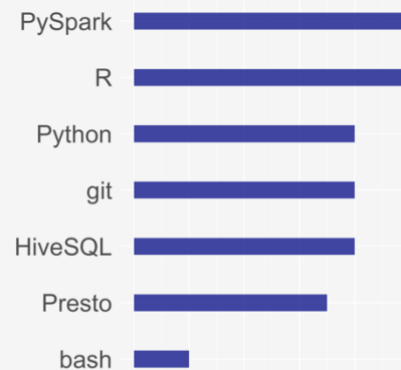
Contact

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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