

Rebecca Lytle

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370 Lancaster Avenue, Haverford, PA 19041

EDUCATION

University of Pennsylvania, Philadelphia, PA
Master of Science in Engineering, Computer Science

Expected May 2019

Haverford College, Haverford, PA
Bachelor of Science, Computer Science

Expected May 2018

Overall GPA: **3.80/4.00**

Relevant Coursework: Machine Learning (Penn, Fall 2017), Data Science & Visualization, Analysis of Algorithms, Computational Linguistics, Linear Algebra, Theory of Computation

SKILLS

Languages: Python (Expert), SQL (Expert), JavaScript (proficient), MATLAB (beginner)

Frameworks/Libraries: D3.js, Django, Bootstrap

OS/Tools: Linux, Git, Mac, Vim, Google BigQuery

EXPERIENCE

Analysis of Algorithms Teaching Assistant • **Haverford College**, Haverford, PA *Fall 2017*

- Held weekly office hours, presented problem set solutions, and graded weekly problem sets.

Software Engineering Intern • **Bluecore**, New York, NY *Summer 2017*

- Explored noisy customer location data (from discrete 'events' on ecommerce sites) using Google BigQuery; visualized data using D3.js.
- Developed heuristic to take customer location data and estimate each customer's primary location; developed an approach to leverage k-means clustering to remove outlier cities.
- Wrote production-ready code to process tens of terabytes worth of initial customer event data, keeping track of billions of customers' locations daily.
- This at-scale implementation required use of BigQuery User Defined Functions written in JavaScript.

Firstmark Elite Summer Fellow • **Firstmark Capital**, New York, NY *Summer 2017*

- Chosen as one of 12 summer fellows out of 1700+ applicants to intern with a tech startup in NYC.

Web App Intern • **Haverford College Libraries**, Haverford, PA *May 2016-May 2017*

- Transformed Django web application from prototype to final product.
- Designed a dynamic document viewer using JavaScript & Implemented search capability using Django-Haystack and Solr.

PROJECTS

Data Science & Visualization Class Project – Lancaster Avenue Dataset *Spring 2016*

- Utilized machine learning algorithms using Python such as k-means clustering and PageRank for data analysis; implemented k-nearest neighbors for missing data and network analysis.
- Developed tailored data visualizations using D3.js.