

Charlie Guthrie

Data visualization engineer and data scientist

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WORK

The New York Times **Data Visualization** **Engineer**

May 2013 – Present
New York, NY

- Developed online interactive visual dashboard system used company-wide; designed to replace slew of emailed Excel spreadsheets and ad-hoc reports, updated daily.
- Created live-updating dashboard of graphics describing how people use nytimes.com, including what articles are being read and who are the biggest referrers.
- Prototyped visualization-oriented report for ad clients.
- Provided ad-hoc and regular reports for various departments within NYT.
- Created Business Intelligence team logo.

M6D / Dstillery **Data Science Analyst**

Mar 2011 – Apr 2013
New York, NY

- Member of the Data Science team for a targeted digital advertising firm that specializes in using predictive modeling to identify new customer prospects for major online brands.
- Liaised between Data Science and Account Management teams, providing testing, development and data analysis for the former, and automated reporting for the latter.
- Managed an intern, and with his help, developed dashboards using D3 and R for tracking ad campaign performance.
- Developed quality control and diagnostic tests for our ad targeting systems.
- Educated employees on our ad bidding process.
- Enrolled in self-study online course on machine learning.

Carfax **Marketing Analyst,** **Strategic Insights**

Sep 2009 - Feb 2011
Centreville, VA

- Member of research team in a company that produces used vehicle history reports and otherwise informs used-car buyers.
- Developed statistical models for predicting annual driver mileage, and for identifying best client prospects.
- Studied marketing efforts and periodically presented strategic insights to company directors to aid in decision-making.

EDUCATION

GRE

October 29, 2009

- Quant 800 (94%) Verbal 600 (86%) Writing 4.0 (45%)

Dartmouth College **B.A. Mathematics**

Graduated June 2007
Hanover, NH

- Coursework includes Mathematical Statistics, Honors Probability, Linear Modeling, Computer Science, Microeconomics, Differential Equations, Independent Study in Game Theory, and Study Abroad in France.

SKILLS

Mostly computer- **related**

- Proficient with database management systems MYSQL, Hive and Pig; data visualization tool D3 and web development (HTML and CSS); statistical software R and SPSS; Microsoft Office Suite; and shell scripting.
- Limited experience with Pentaho, Java, Maple, and Stata.
- Conversant in French from 12 weeks spent in France.