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.
- Performed full-stack data analysis on our ad campaigns, from querying large Hadoop tables using Hive (or smaller schemas in MySQL), to modeling in R, visualization and dashboards using D3 or Excel/Powerpoint, tying it all together with shell scripts and automating with cron jobs
- Managed an intern and educated employees on our bidding process
- Developed quality control and diagnostic tests for our ad targeting systems and tools for optimizing performance.
- 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%)

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

Data Vis / Front-end
HTML, CSS, Javascript and libraries D3, JQuery, some Pentaho

Data Science
Query tools MySQL, Hive, Pig; statistics using R and SPSS, and Excel; limited experience with Maple and Stata

Other
Shell scripting, Microsoft Office Suite, some Java; Conversant in French from 12 weeks spent in France.