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| **Charlie Guthrie**  Data visualization engineer and data scientist | [charles.d.guthrie@gmail.com](mailto:charles.d.guthrie@gmail.com)  [See projects at charlieguthrie.net](http://charlieguthrie.net)  [linkedin.com/in/guthriecharlie](https://www.linkedin.com/in/guthriecharlie) |

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| **EDUCATION** |  |
| **New York University**  Graduating Dec 2016 | ***Candidate, MSc Data Science***   * Coursework includes Statistics, Deep Learning, Machine Learning, Big Data, Inference, and Natural Language Processing |
| **Dartmouth College**  Sep 2003 - Jun 2007 | ***B.A. Mathematics***   * Coursework includes Mathematical Statistics, Linear Modeling, Computer Science, Differential Equations, and Study Abroad in France |

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| **WORK** |  |
| **R/GA**  ***Data Scientist***  Summer 2015 | * Built interactive visualization of data flow for NYC ad agency client * Consulted with client on data management and engineering for data science projects. |
| **Yleana Academy**  ***Statistician***  Summer 2015 | * Project for nonprofit test-prep academy serving underprivileged youth. * Designed and built an individualized student dashboard, including recommended study topics for each student based on analysis of previous assessments. (Python) |
| **The New York Times**  ***Data Visualization Engineer***  May 2013 - Jun 2015 | * Developed interactive visual dashboard used for business intelligence analytics company-wide. (D3, Django, SQL, AWS...) * Created live-updating dashboard of graphics describing how people use nytimes.com, including most popular articles and referrers. * Prototyped visualization-oriented report for ad clients. |
| **Dstillery**  ***Data Science Analyst***  Mar 2011 - Apr 2013 | * Member of the Data Science team for a targeted digital advertising firm. * Performed full-stack data analysis and testing on ad campaigns, from querying large Hadoop tables using Hive, to modeling in R, visualization using D3 or Excel/Powerpoint, and shell scripting. * Managed interns and educated employees on our bidding process. |
| **Carfax**  ***Marketing Analyst***  Sep 2009 - Feb 2011 | * Researcher in company that produces used vehicle history reports. * Developed statistical models for predicting annual driver mileage and for identifying best client prospects. * Studied marketing efforts and presented insights to company directors. |
| **Teaching Roles**  Aug 2007 - Aug 2009 | * Math tutor and algebra teacher at the TEAK Fellowship, in New York. * Elementary school teacher in the Marshall Islands. |

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| **SKILLS** |  |
| **Data Vis / Front-end** | * HTML, CSS, Javascript, specializing in D3 and JQuery |
| **Data Science** | * Queries in MySQL, Hive/Hadoop; analysis in Python (Pandas, NumPy, SciPy), R, Excel; deep learning with Torch, Theano |
| **Other** | * Shell scripting, Microsoft Office Suite, some Java; Conversant in French. |