

## Skills

- Python; scikit-learn, tensorflow, pandas, jupyter
- R; dplyr, data.table, sparklyr, Rstudio
- Cloud; Spark, Hadoop, Hive, AWS
- Visualization: shiny, ggplot2, d3.js
- UNIX CLI; bash, grep, ssh, vim
- Misc; SQL, git, SVN, JIRA

## Experience

**Dstillery Inc., New York, NY** Sr. Data Scientist, Machine Learning Eng. ....2018-Present  
(*Data Scientist, Machine Learning Eng. .... 2016-2018*)

- Researched novel machine learning method for demographic measurement, including implementation of systems for multi-source ETL pipelines and performance simulation
- Implemented and pioneered the use of Spark for production use among data scientists and engineers, developed workflows and best practices.
- Researched and produced models for real-time bidding infrastructure, predicting ad viewability and likelihood of customer interaction.
- Partner closely with engineers, building and maintaining machine learning systems.

**eXelate Inc., New York, NY** Data Scientist.....2013-2016 (*acquired by Nielsen, 2015*)

- Designed and built end-to-end pipelines against 1bn+ records for use on personally identifiable information in secure remote environments.
- Implemented high-performance concurrent ETL system with Python, EC2 and S3.
- Researched novel applications of statistical practice to business problems including latent class analysis, bayesian modeling.

**Witness LA, Los Angeles, CA** Consultant, Investigative Print Journalism.....2012

- Discovered a high likelihood of “pay for play” practices in Sheriff’s Department records, in which political donations correlated strongly with promotions.

*Best Database-Driven Journalism award, LA Press Club. <http://goo.gl/GYvI7R>.*

**Acumen LLC, Burlingame, CA** Quantitative Analyst Intern.....2012

- Enhanced client relationships by developing a general use JavaScript visualization tool to intuitively display hierarchical datasets. <http://goo.gl/iO6BcY>.
- Developed new healthcare policy insights through exploration and analysis of a multi-gigabyte dataset, including extensive use of SAS macros and ODS.

**Boston University Medical Campus, Boston MA** Technical Specialist.....2008-2011

- Managed teams through multiple phases of enterprise infrastructure deployment including research, initial implementation and ongoing maintenance
- Took initiative in streamlining department operations, both in procedure and technology

## Education

**M.S., Statistics, 2013**

University of California Los Angeles, Los Angeles, CA

**B.A. Economics and Mathematics, 2008**

Boston University, Boston, MA