

Doug Raffle

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EDUCATION

WEST VIRGINIA UNIVERSITY

MS IN STATISTICS

Aug. 2015 | Morgantown, WV

CALIFORNIA UNIVERSITY OF PENNSYLVANIA

BS IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

May 2013 | California, PA

LINKS

Portfolio://

dougraffle.com/portfolio.html

GitHub://

github.com/raffled/

LinkedIn://

linkedin.com/in/raffled

SKILLS

MAJOR SKILL SETS

Data Technologies

Statistical Modeling

Multivariate Statistics

Data Mining/Machine Learning

Business Intelligence

Software Development

Data Visualization

Text Mining

Technical Writing/Presentation

TECHNOLOGIES/PLATFORMS

RStudio

Shiny/RStudio Connect

H₂O.ai

Spark

Hadoop/MapReduce

Linux/Unix

Tableau

PROGRAMMING LANGUAGES

Strong

R

HTML/XML

LaTeX

Markdown/R Markdown

Familiar

JavaScript

LISP

Python

SQL

Java

EXPERIENCE

THE HARTFORD | DATA SCIENTIST

Feb. 2017 - Present | Hartford, CT

- Fit machine learning algorithms to predict customer characteristics using large Third Party Data sources.
- Designed and productionalized model scoring engine which served predictions from a suite of machine learning algorithms with < 500ms response time via a SOAP web service.
- Used a variety of statistical models and machine learning techniques to provide internal business partners with insights about our customers and external partners.
- Created and ran several training sessions on a variety of modern data science topics and data technologies for large-scale computing.
- Mentored several interns on data science best-practices, nurturing business relationships, and presentation skills.

MYLAN LABS | SPECIALIST, COMMERCIAL ANALYTICS

Sept. 2015 - Jan. 2017 | Morgantown, WV

- Acted as an internal consultant, using statistical models and machine learning algorithms to analyze Mylan's products, customers, and competitors using R and other statistical packages.
- Designed presentations summarizing Mylan's major product markets, including product and competitor performance, for senior leadership.
- Modernized reporting and presentation workflows using Tableau and Shiny to create streamlined, interactive dashboards.

CALIFORNIA UNIVERSITY OF PENNSYLVANIA | LECTURER

Jan. 2016 - Dec. 2016 | California, PA

- Used real world experience as a data scientist to introduce students from the business college to the concepts they'll need to work in a modern, data-driven business environment.

WEST VIRGINIA UNIVERSITY | GRADUATE TEACHING ASSISTANT

Aug. 2013 - Aug. 2015 | Department of Statistics | Morgantown, WV

- Taught and designed coursework for laboratory and lecture sections of undergraduate Statistics courses.
- Worked with the director of the Master's of Data Science program to design online coursework.

WEST VIRGINIA UNIVERSITY | GRADUATE RESEARCH ASSISTANT

May 2014 - Sept. 2014 | West Virginia Dialect Project | Morgantown, WV

- Consulted with linguists on evaluating and creating analysis workflows.
- Built and evaluated Linear and Generalized Linear Mixed Effects models used in the investigation of sociolinguistic trends.

CALIFORNIA UNIVERSITY OF PENNSYLVANIA

UNDERGRADUATE RESEARCH ASSISTANT

Sept. 2010 - May 2013 | The Lexomics Project | California, PA & Norton, MA

- Used statistical models and machine learning algorithms to analyze works of literature for stylistic variation and analyze the features that are most indicative of clustering behavior.
- Presented at several conferences and co-authored a paper explaining our methodology and results.