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
Software Development
Data Visualization
Text Mining

TECHNOLOGIES/PLATFORMS
RStudio
Shiny/RStudio Connect
H_2O.ai
Spark
Hadoop/MapReduce
Linux/Unix
Tableau

LANGUAGES
Strong
R
SQL

Familiar
JavaScript
LISP
Python
Java
C/C++

Markup/Reporting
HTML/XML
LaTeX
Markdown/R Markdown

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 a model scoring engine which can serve live predictions from a suite of machine learning algorithms with < 500ms response time via a RESTful 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.