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
Agile Development

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

LANGUAGES
Strong
R
SQL

Familiar
JavaScript
Python
Java
C/C++

Markup/Reporting
HTML/XML
LaTeX
Markdown/R Markdown

EXPERIENCE

THE HARTFORD
Hartford, CT
Sr. Data Scientist | Actuarial Transformation — Nov. '18 - Present
- Lead a small team of consulting data scientists within the Actuarial organization which helps to accelerate modeling and automation focused projects across all lines of business.
- Consult with Actuarial leadership on the adoption of emerging technologies and incorporating statistical modeling/machine learning in their core business processes.
- Design curriculum for and conduct classroom-based training in an intensive 8-week program for actuaries which teaches modern data science techniques and data technologies.
- Write, deliver, and organize monthly ongoing training sessions on advanced data science topics for members of the actuarial and data science communities.
- Develop a suite of applications which allow actuaries and analysts to leverage statistical and machine learning techniques to accelerate analytical projects.

Data Scientist | Small Commercial Data Science — Feb. '17 - Oct. '18
- 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
Morgantown, WV
Specialist | Commercial Analytics — Sept. '15 - Jan. '17
- 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
California, PA
Lecturer | Business Statistics — Jan. '16 - Dec. '16
- 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
Morgantown, WV
Graduate Teaching Assistant — Aug. '13 – Aug. '15
- 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.