

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

DSaaS

Software Engineering

Data Visualization

Agile Development

TECH STACKS/PLATFORMS

RStudio

Shiny/RStudio Connect

H₂O.ai

Spark/Hadoop

MLFlow

Linux/Unix

Tableau

LANGUAGES

Strong

R

SQL

Familiar

Python

Java

C/C++

Markup/Reporting

LaTeX

Markdown/R Markdown

HTML/CSS

EXPERIENCE

THE HARTFORD

Hartford, CT

SR. DATA SCIENTIST | ACTUARIAL TRANSFORMATION

Nov. '18 - Present

- Lead a diverse team of consulting Data Scientists and Data Engineers within the Actuarial organization which helps to accelerate modeling and automation focused projects across all lines of business.
- Fit a variety of statistical models and machine learning algorithms to enhance actuarial workflows across the entire insurance lifecycle.
- Develop a templated modeling/EDA framework to enable rapid prototyping of new models and automation via MLFlow & RStudio Connect's Parameterized Reporting framework.
- 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 data science training in an intensive 8-week program for actuaries.

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 and implemented 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.