

Doug Raffle

raffled@gmail.com | www.dougraffle.com

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

TECHNOLOGIES/PLATFORMS

RStudio
Shiny/RStudio Connect
H₂O.ai
Spark
Hadoop/MapReduce
Linux/Unix
Tableau

LANGUAGES

Strong
R
SQL
Familiar
JavaScript
Python
Java
C/C++
Markup/Reporting
HTML/XML
L^AT_EX
Markdown/R Markdown

EXPERIENCE

THE HARTFORD

SR. DATA SCIENTIST | ACTUARIAL TRANSFORMATION Hartford, CT
Nov. '18 - Present

- Design curriculum for teaching modern data science techniques and data technologies to an actuarial audience.
- Conduct classroom-based training in an intensive 8-week program for actuaries.
- Write, deliver, and organize monthly ongoing training sessions on advanced data science topics for members of the actuarial and data science communities.
- Manage and advise small groups of actuaries in using data science techniques to solve business problems across the organization.
- Consult with actuarial leadership on the adoption of emerging technologies and incorporating statistical modeling/machine learning in their workflow.
- 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

SPECIALIST | COMMERCIAL ANALYTICS Morgantown, WV
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

LECTURER | BUSINESS STATISTICS California, PA
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

GRADUATE TEACHING ASSISTANT Morgantown, WV
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.