John Sokol
DATA SCIENTIST

EXPERIENCE

Data Solutions Architect   *Mar 2018 - Present*
AtlantiCare Health System, Egg Harbor Township, NJ

- Build data visualization Tableau solutions for physicians and administrative end users.
- Extract, transform, and load disparate enterprise data.
- Thrombosis dashboard solution successfully reduced readmissions by 10%.

Adjunct Professor of Business   *Aug 2018 - Present*
Stockton University, Galloway, NJ

- Teach conceptual data visualization best practices and hard skills of Tableau and R to 25 undergraduate business analytics students.
- MGMT 3125 – Introduction to Data Visualization.

Data Science Consultant   *Apr 2018 – Present*
RE/MAX of Long Beach Island, Ship Bottom, NJ

- Data mine public records to profile demographics of potential real estate clients.
- Manipulate data with Python and build Tableau dashboards that deliver key business insights for secondary home ownership.

Pharmacy Technician   *Apr 2014 - Sep 2018*
CVS, Ship Bottom, NJ

- Lead ScriptSync initiative to increase consumer medication compliance by 15%.
- Prioritize superior customer service to ensure CVS brand loyalty.
- Consult with pharmacy management regarding store KPI's in analytic context.

PROJECTS

Predicting Heart Disease with Machine Learning
- Interactive Tableau dashboard GUI to predict likelihood of heart disease presence
- Backend Python logistic regression model; 14 features, 375 observations using 10-fold cross validation for 78% predictive accuracy.

K-means clustering, perceptron, logistic regression implementation
- Implement from scratch supervised and non-supervised machine learning algorithms in R.

EDUCATION

MS Data Science & Strategic Analytics   *Aug 2018*
Stockton University, Galloway, NJ   *GPA: 4.00*
Relevant Topics: Machine Learning, Statistical Methods, Database Management

BS Biochemistry   *May 2017*
Stockton University, Galloway, NJ   *GPA: 3.84*
Activities: NCAA Track & Field, Resident Assistant, Mathematics Tutor

CONTACT

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SKILLS

Languages
Python
SQL
R / Rstudio

Frameworks/Packages
Pandas
NumPy
Tidyverse
R markdown
Scikit-learn
Keras
Excel

Visualization
Matplotlib
ggplot
Tableau
Adobe Illustrator

Machine Learning
Regression
Classification
Feature engineering
Model selection