

# John Sokol

DATA SCIENTIST

## EXPERIENCE

### Data Solutions Architect

Mar 2018 - Present

AtlantiCare Health System, Egg Harbor Township NJ

- Build data analysis Tableau solutions for physician and administrative end users. Thrombosis dashboard successfully reduced VTE-related readmissions by 10%.
- Extract, transform, and load structured and unstructured enterprise data.
- Data governance committee member to enhance data quality and data source integration.

### Adjunct Professor of Business

Aug 2018 - Present

Stockton University, Galloway NJ

- Teach conceptual data visualization best practices, statistics, website engineering and Tableau / RStudio to 21 undergraduate business analytics students.
- Employ interpersonal skills by communicating content effectively and teaching how to develop and design research methodologies to answer data driven questions.

### 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

Data Science & Strategic Analytics Promotional Video

- One minute video defining the field of data science and testaments of career upward mobility.
- Leverage Final Cut Pro to concatenate music, clips, and text to create a cohesive video story.

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.

## EDUCATION

### MS Data Science & Strategic Analytics

Stockton University

Projects & Awards: Graduate Assistant, Data Science Promotional Video (Fall 2017 – Spring 2018)

### BS Biochemistry

Stockton University, Galloway, NJ

Activities: NCAA Track & Field, Resident Assistant, Mathematics Tutor

## CONTACT

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## SKILLS

### Visualization

Final Cut Pro

Adobe Premiere Pro

Adobe Illustrator

Tableau

### Languages

Python

SQL

R / Rstudio

### Frameworks/Packages

Pandas

NumPy

Tidyverse

R markdown

Scikit-learn

Keras

Excel

### Database Management

Microsoft SQL Server

SQL Vertica

### Machine Learning

Regression

Classification

Feature engineering

Model selection

