

## PROFESSIONAL SUMMARY

Data Scientist specializing in Python, SQL, machine learning, and Mathematics. Navy Veteran with over 7 years of experience in team leadership, technical operations, and developing and implementing policies and procedures. Led teams of up to 30 people in a dynamic, fast-paced environment. Scored in the 95<sup>th</sup> Percentile on the Armed Services Vocational Aptitude Battery (ASVAB) Exam.

## TECHNICAL COMPETENCIES

**Big Data & Data Science:** AWS EC2, AWS S3, Spark, Docker, Tableau, Statistics, Machine Learning, Git, GitHub

**Python:** Pandas, NumPy, SciPy, Statsmodels, Matplotlib & Seaborn, Scikit-Learn, TensorFlow & Keras

**Database Management Systems:** SQL, NoSQL, SAS, MongoDB, PostgreSQL

## PROJECTS

[Predicting Fruits, Vegetables Nutrition Facts](#) | Tech Used: Python, Matplotlib, NumPy, SKLearn, SKImage, TensorFlow

- Performed Exploratory Data Analysis on thousands of images of fruits and vegetables
- Executed image recognition using Naive Bayes and a Convolutional Neural Network
- Incorporated a Flask App that takes one of the images as an input and displays its nutrition facts

[EDA on Lifestyle, Wellness](#) | Tech Used: Python, Pandas, Matplotlib, Seaborn, NumPy, SciPy, SKLearn

- Performed Exploratory Data Analysis on the results of the Work-Life Balance Test administered by The Authentic Happiness Project to discover the relationship of work-life balance to three demographics

[Predicting Churn of Riders](#) | Tech Used: Python, SKLearn, Pandas, NumPy, Matplotlib

- Performed Exploratory Data Analysis on churn results from a ride-sharing company
- Implemented a Random Forest model that predicted churn for future riders

## PROFESSIONAL EXPERIENCE

**Illumina | San Diego, CA**

**May 2019 - June 2020**

**Equipment Maintenance Technician**

- Analyzed data from robots and sensors to understand, maintain, troubleshoot, repair, draw insights, and gauge performance for over \$1M worth of equipment
- Collaborated, coordinated, and communicated with all levels of leadership in a team environment to improve equipment reliability and up-time
- Identified areas for improvement, drafted findings and recommendations, and prepared reports in accordance with company guidelines and standards

**United States Navy | Various Global Locations**

**April 2013 - April 2019**

**Nuclear Electronics Technician & Reactor Operator**

- Trained, mentored, and supervised a team of maintenance technicians on instructions, procedures, and best practices in data gathering, analyzing, visualizing, and reporting
- Utilized government databases to analyze data, deliver insights, develop reports and brief teams of senior military leadership on the efficiency of two nuclear reactor safety systems
- Supported two Operational Reactor Safety Exams and seven complex maintenance evolution's requiring in-depth data analysis and understanding; cross-coordinated with executive level leadership and engine room operators to align repairs and preventative maintenance; overhauled and groomed systems improving operation
- Conducted assessments of projects and workflow throughout all phases of each project; recognized by senior leadership for consistently completing projects on time and under budget

## EDUCATION

**Bachelor of Arts Degree in Mathematics** | Eastern University | May 2011

## SPECIALIZED TRAINING

**Data Management with Python** | San Diego Community College District, SDCE | June 2021

**SAS Base Programming** | Syracuse University, IVMF-O2O | November 2020

**Data Science Immersive** | Galvanize | Sept 2020

**Navy Nuclear Electronics Technician School** | U.S. Navy | May 2015