


EVERETT CLARK

Data Scientist | Active TS/SCI

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Prior Intelligence Analyst leveraging experience within the analytical field to pivot into data science and further hone skills, learn new techniques, and enhance analytical capability. I find joy in exploring data sources to find and convey worthwhile insights to those who can then use it to make calculated decisions.

TECHNICAL SKILLS

Python - SQL - Git - Data Collection - Data Storytelling - Applied Statistics - Machine Learning - Natural Language Processing - Matplotlib - Data Modeling - NumPy - pandas - Spark - Anomaly Detection - Data Analytics - Link Analysis

DATA SCIENCE PROJECTS

Emergency Preparedness:

Using data from FEMA, USDA, and other government sources, we utilized a classification model to calculate a county's ability to respond, withstand and recover from a variety of natural disasters. Our model can assist the Department of Homeland Security's understanding of communities that are more or less prepared for disaster and dictate priorities when a national disaster is declared. Additionally, individuals can use this tool to assess the most suitable place to live when relocating or examining the resilience of the community they currently reside in.

Environment: JupyterLab, VS Code

Natural Language Processing:

Scraping text from Github's top 100 most starred ReadMe files, we determined the programming language used for each repository. I assisted with all steps of the data pipeline into the modeling of text used within each ReadMe. Our model improved the baseline of 25% to 60% accuracy.

Environment: JupyterLab, VS Code

Population Prediction:

Utilizing time-series analysis, I predicted world population growth and population size up to the year 2050. Basing models on data from 1950 to 2001, growth predictions are 99% accurate to 2030, but less so beyond what the US Census Bureau's estimates growth will be beyond 2022 going to 2050.

Environment: JupyterLab

Anomaly Detection:

I examined Codeup SQL server logs for unusual IP address activity and derived additional insights about web traffic within the curriculum.

Environment: JupyterLab

Company Churn:

By focusing on complimentary services as a phone service provider, I used eight features to determine if a customer is more/less likely to cease business. When predicting that a customer would not churn and that prediction being true, the model predicted with 92% accuracy.

Environment: JupyterLab, VS Code

MILITARY EXPERIENCE

Marine Corps - Silverdale, WA

Chief Intelligence Analyst | June 2020 - June 2022

- Oversaw intelligence tasks, providing insights to executive leadership planning in US strategic weapon security and personnel employment to accomplish that mission.
- Applied expertise on regional and global events to prepare personnel for future assignments abroad and increase understanding of geopolitical and foreign issues.
- Maintained compliance with government directives and regulations as the Intelligence Oversight program manager, ensuring intelligence activities were planned accordingly and conducted lawfully.
- Implemented and instructed weekly training on commercial tools to accomplish the clients mission, operational goals, and enhance security procedures.

- Instructed leadership and skills development course for 25 personnel, providing students with the knowledge and skills necessary to become successful small-unit leaders and solve problem-based situations.

Marine Corps - Jacksonville, NC

Intelligence Analyst | March 2017 - June 2020

- Monitored, analyzed, and provided briefings to decision-makers on activities and events in Europe and Asia, guiding force employment planning efforts and exercise execution.
- Supervised small teams that provided analytical products to mid-level leadership who then polished and delivered them to deployed units..
- Expanded intelligence abilities by cross-training in collection and target management, helping me comprehend the intelligence cycle more in-depth and better execute those processes.

EDUCATION

Codeup - Data Science Program

Certificate of Completion

June 2022 - Nov 2022

Fully-immersive, project-based 20-week career accelerator that provides 670+ hours of expert instruction in applied data science. Developed expertise across the full Data Science pipeline (planning, acquisition, preparation, exploration, modeling, storytelling), to enhance abilities to deliver actionable insights to stakeholders.

Lean Six Sigma - Green Belt

Certificate of Completion

Oct 2021 - Nov 2021