EDNALYN C. DE DIOS

Data Scientist

I've always been enamored with code and I love data science because of its inherent power to solve problems. Having grown up in the Philippines, served in the United States Navy, and worked in the nonprofit sector, I am driven to make the world a better place. I have started and participated in numerous campaigns that aim to reduce domestic violence and child abuse in the community.

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>>> SKILLS

Applied Statistics – Machine Learning – Natural Language Processing – Distributed Data – Data Storytelling – Git – Jupyter Notebooks – Anaconda

- Python
- SQL
- Spark
- Tableau
- Pandas
- Numpy
- Matplotlib
- Seaborn
- Scikit-learn
- HTML
- Bootstrap
- PHP

>>> CIVILIAN EXPERIENCE

Business Proprietor 2007-2019
Led web design and development projects for clients.

Aware Central Texas 2010-2017
Increased productivity of staff members and volunteers by 50% while serving as Chief Information Director. Established agency's domestic violence 'Crisis to Confidence' program as the Family Violence Unit Director.

>>> MILITARY EXPERIENCE

United States Navy 1999-2007
As Financial Manager, managed five operating budgets worth over $63 billion. Other roles include: Supply Manager, Warehouse Manager, Procurement Specialist, Inventory Control Specialist, Store Manager, Surface & Aviation Warfare Specialist.

>>> RECENT DEVELOPMENT PROJECTS

Predicting SSOs 6/19
Winning entry in CivTechSA Datathon Competition under the "Most Solvable" category. Predicted sewage overflows using regression and classification models.

Predicting Reassault 6/19
Capstone project; predicted probability of reassault in domestic violence cases. Used historical data from Chicago Women's Health Risk Study and trained it on models including Logistic Regression, Decision Tree, and Random Forest. Used XGBoost and other methodologies for feature extraction including chi-square testing. Deployed on an Ubuntu server with nginx and used the Flask framework to run the Python.

NLP Analysis 5/19
Used web scraping, TF-IDF, sentiment analysis, and logistic regression to analyze readme files.

Anomaly Detection 5/19
Identified anomalies using statistical methods, clustering, and DBSCAN.

>>> ACADEMIC BACKGROUND

Codeup 6/19
Fully-immersive, project-based 18-week Data Science career accelerator that provides students with 600+ hours of expert instruction in applied data science. Students develop expertise across the full data science pipeline (planning, acquisition, preparation, exploration, modeling, delivery), and become comfortable working with real, messy data to deliver actionable insights to diverse stakeholders.