

MARIO NONOG

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Security Clearance: Active DoD secret clearance

PROFESSIONAL SUMMARY

Business Analyst Graduate Student and Navy Veteran with expertise in Probability and Statistics, Statistical Forecasting, and technical data expertise. Skilled in Mathematical Instrument such as python (pandas, numpy), MATLAB, and Excel to deliver insights, statistical models, and solutions through integration and regression testing.

SKILLS

- **Core:** problem solving, attention to detail, communication skills, collaboration, team engagement, adaptability, process improvement, data analysis, operation process support, system testing, presentation skills, team player, cross functional teamwork, management
- **Technical:** machine learning, deep learning, forecasting, modeling, data visualization, simulation, statistical modeling, clustering and classification, programming languages: python (numpy, pandas, matplotlib, polars, scipy, scikit-learn), Radiant, MATLAB, Microsoft Office Suite 365, HTML, JavaScript, CSS, Excel VBA, healthcare IT, organic chemistry, biology, biochemistry
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EDUCATION | CERTIFICATIONS

- **Master of Science, Business Analytics** , University of California , Expected December 2025
- **Mobile App Development Certificate**, San Diego Community College
- **Bachelor of Science, Mathematics**, United States Naval Academy (USNA)

Research Experience

HMO Levels & Pregnancy Outcomes: Secretors vs Non-Secretor, UCSD

December 2024

- Analyzed HMO levels in mothers (secretors vs non-secretors) and their impact on pregnancy outcomes.
- Explored how demographic factors like age and weight further influence HMO levels and potential complications.
- Developed an interactive platform that predicts pregnancy risks based on user demographics, enhancing personalized insights.

Optimization of Mobile Marketing Campaigns Using Predictive Analytics, Tuango January 2025

- Implemented logistic regression to predict customer responses to promotional offers, enhancing targeting accuracy and reducing unwanted spam.
- Utilized confusion matrices and accuracy metrics to evaluate model performance, ensuring high predictive reliability for mobile marketing initiatives.
- Conducted break-even analysis and profitability forecasting to align marketing efforts with expected returns, optimizing resource allocation and maximizing ROI.

Data Analysis and Visualization, Accenture

October 2024

- Conducted advanced analytics and deep learning on a large data set of over 10,000 sales records as a Business Analyst Statistician using pandas in python to assess potential company growth scenarios
- Developed visualizations and statistical models to forecast the impact of on revenue, profitability, market share, sales performance and software as a service (SaaS) ecosystem
- Provided research data-driven recommendations leveraging research data storage solutions and scalability techniques to senior leadership regarding the feasibility of an IPO for future expansion

Ride Sharing Markets Re-Equilibriate Case Data Analysis, UCSD

August 2024

- Conducted market research and trend analysis on supply-demand patterns in UberX to analyze trends on big data of pricing patterns using surge rates, supply-demand fluctuations, and geographic data for market optimization using pandas in python
- Applied data analysis using pandas in python and regression models using machine learning to identify price points that balance driver earnings and customer affordability.

PROFESSIONAL EXPERIENCE

United States Navy, Various Locations

Operations Manager

May 2022 – January 2025

- Managed a division of 32 personnel, overseeing the profile, acquisition, accuracy, and timeliness of over 2,000 transactions using Microsoft Excel while ensuring data integrity, customer support satisfaction, and streamlined sales operations, this led to 4 promotions and 8 performance awards
- Designed process flows and implemented talent development program, mentoring 37 naval officer candidates and enhancing skill application through tailored professional development programs.
- Collaborated across departments to analyze human resources training needs and design cross-functional programs that integrated both administrative and submarine warfare expertise, mentoring junior personnel ensuring alignment with organizational goals, mission challenges, and performance metrics

Hospital Corpsman (Medical Assistant)

March 2015 – June 2018

- Assisted 10 doctors across multiple specialties in caring for 3,000 patients in both clinical and operating room settings, collecting and biomedical data processing to ensure accurate assessments, efficient care delivery, and real time decision making.
- Maintained accurate records of patient physiological data, treatments, and outcomes, applying collaborative data management methodologies to track trends and support doctors in making informed decisions using data science techniques

NOTABLE AWARDS

Joseph K Taussig Jr. Leadership Award, United States Naval Academy
Best in Mathematics Award and Sailor of the Year Award, United States Navy