LOWELL CAPOBIANCO

Redondo Beach, California   (828) 989-8396   lcapobianco@rady.ucsd.edu   www.linkedin.com/in/lowell-capobianco/

EDUCATION

Master of Science in Business Analytics, Rady School of Management   12/2025
University of California, San Diego, CA

Bachelor of Science, Civil Engineering   05/2017
North Carolina State University, Raleigh, North Carolina
- Naval Reserve Officer Training (NROTC) 4 Year Scholarship.

EXPERIENCE

Business Process Analyst, Northrop Grumman, Redondo Beach, CA   03/2023 – Present
- Optimize cost management processes by leveraging Excel, OLAP, MSSQL, and VBA to perform ETL operations, enhance SQL Server performance, resolve data discrepancies, and automate reporting—streamlining business intelligence and decision support functions.
- Construct and implement technical processes within SAP(S4/Hana) enabling creation and management of project structures over four programs.
- Analyze financial data for accuracy and reliability to enhance decision-making processes while ensuring compliance with Earned Value Management System requirements.
- Implemented preventative maintenance processes of server maintenance as team's sole privileged user, leading to a 30% reduction in down time.

Auxiliaries Officer, United States Navy, LT   12/2020 - 01/2023
- Led 40 sailors in maintenance and operation of critical ship systems resulting in revamped maintenance plans and increasing reliability and operation in dynamic ship environments.
- Advised senior leadership by delivering technical risk assessments, system readiness, and resource allocation for critical engineering operations, enabling informed decision-making that enhanced ship-wide operational efficiency and mission readiness.
- Partnered with cross functional internal and external team members to develop technical solutions and troubleshoot system issues improving combat readiness for ship and crew resulting in 100% ship readiness.

Communications Officer, LTJG, United States Navy, LTJG   05/2017 - 12/2020
- Guided a team of 20 sailors in implementing ship communication plans and redesigning administrative programs, achieving certification for mission-critical systems.
- Led coordination of essential communication paths between ships and multiple communication facilities boosting planning and coordination resulting in no communication downtime over a 7-month deployment.

PROJECTS

UCSD-Rady Student, Targeting Messaging Campaign,
Customer Analytics, UCSD Rady School of management   01/2025 - 01/2025
- Designed and developed machine learning models to forecast consumer purchase likelihood, analyzed feature impact, performed uplift vs propensity analysis, and generated population-level metrics creating insights for decision-makers in targeted marketing campaigns.

Business Process Analyst, Orphaned Networks, Northrop Grumman   09/2024 - 09/2024
- Developed and optimized MSSQL stored procedures to consolidate and validate multi-source data, enhancing operational efficiency, and data-driven decision-making.

SPECIALIZED SKILLS

- **Languages/Coding:** Python, Pandas, Matplotlib (data visualization), scikit-learn (predictive modeling and optimization), Polars, SQL (Advanced), ETL, Power Query, VBA, Batch Processing Scripts.
- **Tools:** MSSQL, Excel (Advanced), SAP (S4 Hana), PowerPoint, Word.
- **Certifications:** CompTia Security +, UCSD Extension Advanced SQL, Active TS/SCI (Adjudicated Polygraph).