

Professional Profile

Aspiring Data Scientist passionate about uncovering patterns in data that enable better decisions. Systematic and resourceful professional transitioning into the civilian workforce after 11 years of military service as a Naval Officer.

Education

University of California, Berkeley – Master of Information and Data Science Expected completion, 5/20

Planned Coursework: Research Design and Application for Data Analysis, Statistics for Data Science, Fundamentals of Data Engineering, Applied Machine Learning, Experiments and Causality, Machine Learning at Scale, Natural Language Processing, Data Visualization.

Naval Postgraduate School, Monterey – Master of Science in Physical Oceanography 9/15

Relevant Courses: Linear Algebra, Vector Calculus, Differential Equations, Statistics and Data Analysis, Applied Probability, Search Theory, Decision Theory, Signal Processing, Field Experiment Design.

U.S. Navy Flight School – Advanced helicopter flight, tactics, and sensor systems training 9/09

University of California, Los Angeles – Bachelor of Arts in History 9/06

Skills and Tools

- Python (pandas, scikit learn, numpy, mrjob)
- Risk Assessment, strategy evaluation
- R, MATLAB, SQL, Microsoft Excel
- Research, technical briefing, contingency planning

Projects

Indeed Machine Learning CodeSprint, *competition contestant, www.hackerrank.com* 4/17

Used Scikit-learn and a one-vs-the-rest approach to train a multilabel classification model to assign tags to Indeed.com job descriptions.

Long-endurance Maritime Surveillance with Ocean Glider Networks, *thesis, Naval Postgraduate School* 9/15

Conducted field experiments and demonstrated that an underwater vehicle loitering in deep water is an effective platform for acoustic data collection. Processed, filtered, and analyzed acoustic sensor and autonomous vehicle position data with MATLAB.

Recent Work Experience

United States Navy **10/06 – 03/18**

Assistant Director of Current Operations, Carrier Strike Group Three 10/15 – 03/18

- Organized complex scheduling assignments, totaling over 2,000 events in 15 days, into intuitive daily schedule of events visualizations for senior leadership that enabled the efficient management of the largest naval exercise in the world consisting of 26 nations and 47 ships.
- Combined data from multiple sources and generated 100+ operational reports to assist senior executives with coordinating the operations of a 7,500+ member organization.
- Collaborated with a 6-person team to interpret real-time sensor data in an operations command center. Communicated daily recommendations to senior executives to support strategic decisions.

Recent Work Experience (Continued)

- Assistant Training Officer, Helicopter Maritime Strike Squadron 75*** 12/12 – 06/13
- Devised an optimal scheduling strategy that maximized training qualifications for 65 coworkers in 4 months, resulting in an outstanding program assessment by regional evaluators.
- Detachment Operations Officer, Helicopter Maritime Strike Squadron 75*** 05/11 – 11/12
- Designed and implemented a training plan that led to the certification of a new 25-member department on a highly compressed timeline. Ensured that senior leadership could meet critical long-term objectives on budget and on schedule.
 - Mentored prospective team leaders on technical systems and operational decision-making, resulting in the successful qualification and career progression of 12 coworkers.
- Assistant Aviation Safety Officer, Helicopter Maritime Strike Squadron 75*** 11/09 – 10/10
- Collected, tracked, and analyzed data on essential occupational safety programs. Promoted a strong organizational safety culture that directly contributed to the milestone achievement of 150,000 mishap-free flight hours.
- Communications Officer, Helicopter Maritime Strike Squadron 75*** 11/09 – 10/10
- Maintained organization's entire 500-piece inventory of classified material with 100% accountability, resulting in an outstanding program assessment by regional evaluators.
- Student Pilot, U.S. Navy Flight School*** 10/06 – 10/09
- Developed and supervised data collection plans with acoustic and non-acoustic sensor systems.