

# Sean Forester

Data Science Practitioner. Hands-on individual contributor with unique ability to translate requirements to engineers and communicate complex results in non-tech terms to decision makers. Avail: 15 Jul 2019

910.376.1138

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Github://lonesome-data

LinkedIn://smforester

## SKILLS

### ENVIRONMENT

Jupyter Labs Notebook • Google Colab • Azure

### MACHINE LEARNING

Pandas • Scikit-learn • TensorFlow • R

### VISUALIZATION

PyViz • Bokeh • seaborn • Tableau

### VERSION CONTROL

Git

## EDUCATION

### NAVAL POSTGRADUATE

ACADEMIC CERTIFICATE

Data Science

Monterey, CA

### TUCK SCHOOL OF BUSINESS

at Dartmouth

EXECUTIVE EDUCATION CERTIFICATE

### NAVAL POSTGRADUATE

MS, Computer Science

Monterey, CA

### U.S. NAVAL ACADEMY

BS, Ocean Engineering

Annapolis, MD

4-yr Varsity Football

### MICROSOFT PRO PROGRAM

PROFESSIONAL CERTIFICATE

Data Science

edX

## COURSEWORK

### GRADUATE

Advanced Machine Learning  
Network Modeling and Analysis  
Artificial Intelligence  
Cloud Computing  
Database Systems

### UNDERGRADUATE

Ocean Systems Design  
Adv Electrical Engineering  
Engineering Thermodynamics  
Adv Physics

## EXPERIENCE

### U.S. MARINE CORPS | DATA ANALYST + PRINCIPAL CONSULTANT

Aug 16 - Pres | Greater San Diego, CA

- Improved staff performance recognition by 35 percent through statistical inference whereby a natural language processing algorithm (Python) identified successful writing styles from archived awards
- Reduced executive summary preparation time by 15 percent through creation and implementation of root cause analysis schema
- Authored, distributed, collected, and analyzed post-audit surveys from over 50 clients resulting in complete overhaul of diagnostic analytics methodology by evaluating program effectiveness

### U.S. MARINE CORPS | DATA ANALYST + ENGAGEMENT MANAGER

Aug 15 - Aug 16 | Greater San Diego, CA

- Created real-time visualization of post-audit client feedback with divergent stacked bar charts in Tableau
- Uncovered evidence-based reporting disparity within practice by writing a neural net classifier using Google Colab and GPUs
- One of four Marine Corps Officers with advanced technical degrees hand-selected to participate in a 12-month Data Science graduate school certificate program

### U.S. MARINE CORPS | LOGISTICS MANAGER

Jun 14 - Jun 15 | Okinawa, Japan

- Improved access to sea, air, and ground Marine Corps training areas in Asia-Pacific theater by 15 percent leveraging Bayesian decision theory
- Architect for collecting and fusing datasets from multiple sources across Asia-Pacific to inform critical decision making by leadership responsible for military forces in S. Korea, Australia, and Japan

### U.S. MARINE CORPS | LOGISTICS MANAGER

Aug 12 - Jun 14 | Okinawa, Japan

- Worked independently and collaboratively on complex statistical modeling and analysis problems with large and complex data structures resulting in detailed concept planning and execution of thousands of participants of bi- and multi-lateral military exercises in Australia, Taiwan, Japan, Maldives, Philippines and S. Korea
- Leveraged terabytes of raw satellite data to analyze real-time throughput, render in-transit visibility, and ensure 100 percent accountability of hundreds of end-items utilizing RFID and data mining algorithms

### U.S. NAVAL ACADEMY | COMPUTER SCIENCE SENIOR LECTURER

Sep 09 - Jul 12 | Annapolis, MD

- Taught theoretical machine learning (convex optimization/modeling, regularization and perturbation)
- Hand-selected from nine postgraduate CS candidates to teach at the US Naval Academy as a Senior Computer Science Instructor responsible for multiple academic courses
- Runner-up among 20 candidates nominated for Military Faculty Teaching Excellence Award
- Exceeded STEM quotas as Chair of Computer Science Dept Recruitment Committee by studying and empathizing with behavioral economics of students and competition (other departments)