Sean Forester

Data Science Lead and Individual Contributor. Penchant for prototyping machine learning solutions, problem framing and communicating data-driven solutions to decision makers.

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 · Bitbucket

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

COLUMBIA UNIVERSITY
Professional Certificate
Data Science for Executives
edX Aug 2019

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

AUCTION.COM Lead Data Analyst + Data Science Practitioner
Jun 19 - Aug 19 | Irvine, CA
- Improved accuracy of legacy model by over 10 percent prototyping an XGBoost classifier to target distressed assets saving potentially hundreds of thousands $
- Clustered customer behavior to minimize time to value of online experience
- Provided quality assurance to business intelligence team responsible for analytic dashboard reporting

MARINES Principal Consultant + Data Science Practitioner
Aug 16 - May 19 | Greater San Diego, CA
- Increased military equipment availability by 5 percent leading multiple cross-functional engagement teams responsible for auditing supply and maintenance compliance by Marine Corps units West of the Mississippi River
- Improved executive summary preparation time 15 percent by creating and implementing evidence-based root cause analysis and problem framing
- Refined internal business practices by creating and implementing a post-audit client survey with aggregate results displayed within a Tableau dashboard

MARINES Engagement Manager + Data Science Practitioner
Aug 15 - Aug 16 | Greater San Diego, CA
- Led collaborative efforts of 40-associates resulting in 100 percent on-time delivery of end-to-end analyses predicated on accurate requirements specification, unbiased data collection, munging/wrangling (Python), machine learning prototypes (Python), and evidence-based solutions
- Uncovered internal practice disparity through a neural net classifier using Google Colab and GPUs resulting in major revision to tradecraft application
- Enforced talent acquisition/retention and improved performance recognition by conducting (unsupervised) Latent Semantic Analysis in unstructured collection of archived awards and identifying key patterns

MARINES Consultant + Logistics Manager
Aug 12 - Jun 15 | Okinawa, Japan
- Informed US Ambassador to Japan's decision making by providing key insights related to military base migration within the island of Okinawa
- Worked independently and collaboratively with key stakeholders in detailed planning and execution of multilateral military exercises in Australia, Taiwan, Japan, Maldives, Philippines and South Korea
- Exploited nonlinear solutions from ensemble decision trees to improve scheduling of military aircraft

U.S. NAVAL ACADEMY Computer Science Senior Lecturer
Sep 09 - Jul 12 | Annapolis, MD
- Hand-selected from nine Computer Science postgrads to teach at the US Naval Academy as a Senior Computer Science Instructor
- Runner-up among 20 candidates nominated for Faculty Teaching Excellence
- Taught computer architecture, networking, cyber security, algorithm complexity and machine learning concepts
- As Chair of Computer Science Dept Recruitment Committee, exceeded STEM, diversity, and inclusion quotas established by the Secretary of the Navy by analyzing and empathizing with behavioral economics of students and competition (other departments)