Sean Forester

Data Science Consultant with robust experience as Team Lead and Individual Contributor: Expert in prototyping machine learning solutions in Python. Current Top Secret Clearance with SCI (CI Poly)

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Github:// **lonesome-data**
LinkedIn:// **smforester**

SKILLS

ENVIRONMENT
Jupyter Labs/Hub/Notebook ·
Google Colab · Azure
MACHINE LEARNING
Pandas · Scikit-learn · TensorFlow · R
VISUALIZATION
PyViz · Bokeh · seaborn · Tableau
VERSION CONTROL
Git · Bitbucket

EDUCATION

COLUMBIA UNIVERSITY
PROFESSIONAL CERTIFICATE
Data Science for Executives
edX September 2019

NAVAL POSTGRADUATE
ACADEMIC CERTIFICATE
Data Science
Distance Learning September 2018

MICROSOFT PRO PROGRAM
PROFESSIONAL CERTIFICATE
Data Science
edX August 2017

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

COURSEWORK

GRADUATE
Advanced Machine Learning
Artificial Intelligence
IoT and Energy Harvesting
UNDERGRADUATE
Ocean Systems Design
Adv Electrical Engineering
Engineering Thermodynamics

TECHNICAL EXPERIENCE

AUCTION.COM DATA SCIENTIST
Jun 19 - Aug 19 | Irvine, CA
- Improved accuracy by over 10 percent of legacy predictive model by prototyping an XGBoost classifier to target distressed assets
- Clustered customer behavior to minimize time to value of online experience
- Provided quality assurance to business intelligence team responsible for analytic dashboard reporting

DEPT OF DEFENSE DATA SCIENTIST | PRINCIPAL CONSULTANT
Aug 15 - May 19 | Greater San Diego, CA
- Built an artificial neural network with TensorFlow backend using Google CoLab's virtual machines resulting in discovery of tradecraft application bias and enterprise-wide change to auditing practice
- Chief architect behind a Naive Bayes classification model for sentiment classification (Natural Language Processing) resulting in discovery of implicit clues contradicting post-audit client satisfaction (Likert scaled) responses
- Retained talent by improving performance recognition by conducting (unsupervised) Latent Semantic Analysis in unstructured collection of archived awards and identifying key patterns

U.S. NAVAL ACADEMY COMPUTER SCIENCE SENIOR LECTURER
Sep 09 - Jul 12 | Annapolis, MD
- Prepared lessons and instructed students on theoretical machine learning (convex optimization/modeling, regularization and perturbation)
- Hand-selected from cohort of nine postgrads to teach computer science
- Runner-up among 20 candidates nominated for Faculty Teaching Excellence
- Taught computer architecture, networking, cyber security, algorithm complexity and machine learning concepts

HIGHLIGHTS OF MILITARY SERVICE

U.S. MARINE CORPS OFFICER (1999 - 2019) | DOMESTIC & INT'L
- Led collaborative efforts of 40-associates resulting in 100 percent on-time delivery of end-to-end analyses predicated on accurate requirements specification and evidence-based solutions
- Advised 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 foreign stakeholders in detailed planning and execution of multilateral military exercises in Australia, Taiwan, Japan, Maldives, Republic of the Philippines and the Republic of Korea
- Planned and executed first ever employment of prepositioned military equipment in Manila thereby increasing disaster response posture
- Exceeded STEM quotas as Chair of Computer Science Dept Recruitment Committee by studying and empathizing with behavioral economics of students and competition (other departments)
- Executed 100% of budget without incident as the Computer Science Dept Finance Officer by prioritizing department requisitions, tracking expenditures and routinely meeting budget milestones
- Conducted full-spectrum military operations in Afghanistan with 12-Marine team responsible for advising Afghan National Army