

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

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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

May 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