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/jbshi

Jeff Shi

OPERATIONS RESEARCH ANALYST
Captain, USAF

PROFILE

Skillful military statistician with a talent for extracting and interpreting useful information from complex data for senior leadership. Meticulous data scientist and project manager, with analytical and strategic planning experience supporting operations in South America and the Middle East. Separating from active-duty military service, and will be available to start in March 2017. Seeking technical and project leadership opportunities in business intelligence and data science.

EDUCATION

Georgia Institute of Technology / Class of 2018
MS Student | Computer Science (Machine Learning Focus)

New Mexico State University / 2013
MS | Industrial Engineering

University of Texas / 2011
BS | Computer Science

Arizona State University / 2015
Six Sigma Black Belt

EXPERIENCE

Chief of Assessments | Davis-Monthan Air Force Base, AZ
12th Air Force (Air Forces Southern) | 2014 - Present
- Leads and conducts analyses and assessments for military engagements in South America.
- Develops strategic plans and assessment frameworks for real-world contingency operations.
- Coded R scripts that optimized data mining during military exercises, saving 20 man-hours.

Lead Security Trends Analyst | Camp Arifjan, Kuwait
Combined Joint Task Force – Operation Inherent Resolve (CJTF-OIR) | Nov 2015 – May 2016
- Performed geo-spatial analysis of enemy attacks against Coalition Forces and civilians.
- Regularly briefed the CJTF Commander on relevant security trends in Iraq and Syria.
- Wrote R and VBA programs that automated collection, cleaning, and analysis of large datasets (>1M data points), saving 60 man-hours per month.

Project Manager, Test Operations | Nellis Air Force Base, NV
59th Test and Evaluation Squadron | 2013 - 2014
- Led 3-man analysis team in planning, executing, and analyzing five test programs, fielding $80 million in new combat rescue technology.

Senior Operations Research Analyst | Nellis Air Force Base, NV
59th Test and Evaluation Squadron | 2012 - 2013
- Led Test and Evaluation analysis for prototype upgrades for the HH-60G helicopter.
- Applied Design of Experiments to shape test plans for five projects valued at $60 million.

PROGRAMMING & SOFTWARE SKILLS

Proficient:	Java, R, VBA		IDE:	Eclipse, RStudio
Experienced:	Python		Software:	Stat-Ease, Minitab, Weka
Exposed to:	C/C++, SQL, Hadoop		OS:	Windows, Linux