NICK UHORCHAK

User ID: nuhorchak@gmail.com

I have worked on a variety of data science and operations research projects, ranging from simple statistical analysis to predictive modeling. I am currently working on a robust team of data scientists, computer scientists, and data engineers to harness the volume and velocity of Army NETCOM data.

View this CV online with links at https://nuhorchak.github.io/

EDUCATION

2018 | 2016

M.S., Operations Research

Air Force Instituite of Technology — Wright Patterson AFB, OH

- Thesis: An Analysis of Incomplete SOCOM Selection Data (Distribution Statement D). Thesis focused on predictive modeling for Air Force Special Operations Command selection and training pipeline.
- Inducted into Omega Rho, Instituite for Operations Research and Management Science Honor Society
- Applied Statistics Track Data Science Certificate

2008 | 2004

B.S., Information Technology

United States Military Academy — West Point, NY

- Selected as one of three MVPs during execution of the Cyber Defense Exercise, for performance as team leader in the larger group project

INDUSTRY EXPERIENCE

Current | 2021

Data Scientist

Network Enterprise Technology Command (NETCOM) — Fort Huachuca, AZ

- Data Scientist in Network Operations Analysis Division, Data Science Directorate.
- Responsible for data aggregation, cleaning, and transformation for endpoint discovery, management, and analysis to support G3.

2021 | 2018

ORSA / Data Scientist

US Special Operations Command (SOCOM) — MacDill AFB, FL

- Data Science (R1J) qualified Operations Research Systems Analyst, serving as an data scientist in a combatant command headquarters.
- Responsible for multiple data science efforts, including predictive, prescriptive and statistical modeling
- Rated top junior data scientist in the organization, and commended for performance beyond current pay grade

CONTACT

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LANGUAGE SKILLS

- R
- PowerBI
- SQL
- DataRobot
- Python
- Neo4j/Cypher
- MongoDB
- VBA

*Made with the R package **pagedown**.*

The source code is available on github.com/nuhorchak/resume.

Last updated on 2021-12-06.

OPERATIONAL EXPERIENCE

2016 | 2014
Company Commander
1-63 AR, 2ABCT, 1ID
Fort Riley, KS

2014 | 2013
Brigade Planner
2ABCT, 1ID
Fort Riley, KS

2013 | 2012
Division Training Officer
1ID
Fort Riley, KS

2011 | 2009
Platoon Leader
2-7 CAV, 4ABCT, 1CD
Fort Hood, TX

HONORS RECEIVED

Current | 2018
Omega Rho Honor Society
INFORMS
AFIT Chapter

- Inducted into Omega Rho Honor Society for academic excellence through GPA greater than 3.75

Current | 23008
Iron Eagle Award
UNited States Military Academy
CS Department

- Awarded Iron Eagle MVP award (1 of 5) for contributions and excellent teamwork beyond expectations during 2008 Cyber Defense Exercise.

SELECTED DATA SCIENCE WRITING

2020
Writing Efficient Code - Part 1
https://dscoe.org (CAC Enabled)
https://github.com/nuhorchak/blogs/tree/master/writing_efficient_code_p1

- 1 of 3 part blog discussing how to write optimal code. This section focuses on the basic data constructs used in the R programming language, and how they can be used to write better (faster) code.

2020
Writing Efficient Code - Part 2
https://dscoe.org (CAC Enabled)
https://github.com/nuhorchak/blogs/tree/master/writing_efficient_code_p2

- 2 of 3 part blog discussing how to write optimal code. This section focuses on the basic data constructs used in the python programming language, and how they can be used to write better (faster) code.

These blogs represent interesting topics that presented themselves during an operational project.

2020

Writing Efficient Code - Part 3

https://dscoe.org (CAC Enabled)
https://github.com/nuhorchak/blogs/tree/master/writing_efficient_code_p3

- 3 of 3 part blog discussing how to write optimal code. This section compares R and Python, and discusses how utilizing the native data constructs in each language gains efficiency, speed, and memory usage.

SELECTED RESERACH

2018 | 2017

Analysis of Incomplete SOCOM Selection Data

Air Force Instituite of Technology — Wright Patterson AFB, OH

- Research for my masters thesis entailed supervised learning method for personnel selection.
- Additonal research necessary to handle sparse data, delved deep into imputation methods and theory, to facilitate data completion.
- Research in all areas was translated into teaching lessons to support Dr. Raymond Hill, for multivariate analyis class.