

# NICK UHORCHAK

PhD Student at the University Of Arkansas, Department of Industrial Engineering. Army ORSA, having served in various roles from budget analyst, to data scientist, at Joint and Army level commands.

## EDUCATION

- 2026  
|  
2023
- Ph.D., Industrial Engineering**  
University of Arkansas 📍 Fayetteville, Arkansas
    - PhD candidate, currently researching pediatric vaccine tender scheduling, utilizing mixed integer linear and stochastic optimization.
  - M.S., Operations Research**  
Air Force Institute 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.
    - Applied Statistics Track Data Science Certificate
  - 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

- 2023  
|  
2021
- Data Scientist**  
Network Enterprise Technology Command (NETCOM) 📍 Fort Huachuca, AZ
    - Data Scientist in Network Operations Analysis Division, Data Science Directorate.
    - Responsible for the generation and start of an asset inventory management tool, to catalogue US Army endpoints on the DODIN-A.
  - ORSA / Data Scientist**  
US Special Operations Command (SOCOM) 📍 MacDill AFB, FL
    - Data Science (R1J) qualified Operations Research Systems Analyst, serving as a data scientist in a combatant command headquarters.
    - Responsible for multiple data science efforts, including predictive, prescriptive and statistical modeling

## SELECTED PUBLICATIONS, POSTERS, AND TALKS

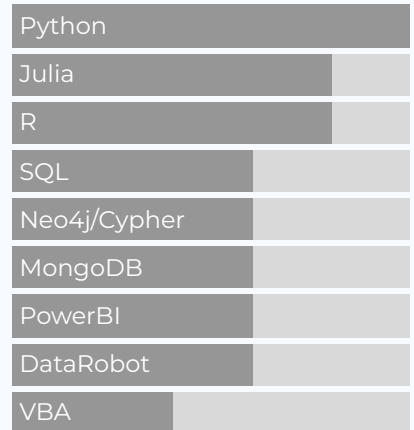


View this CV online with links at <https://nuhorchak.github.io/>

## CONTACT

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## LANGUAGE SKILLS



Made with the R package [pagedown](#).

The source code is available on [github.com/nuhorchak/resume](https://github.com/nuhorchak/resume).

Last updated on 2025-01-13.

Academic presentations and publications

- 2024 ● **Pediatric Vaccine Tender Scheduling in Low and Middle Income Countries**  
<https://arxiv.org/abs/2403.07755> 📍 IISE Conference Proceedings
- 2024 ● **A Stochastic Optimization Model for Scheduling Tenders for Pediatric Vaccines in Low- and Low-Middle-Income Countries**  
📍 Planned Publication
- 2024 ● **Vaccine Tender Scheduling and Procurement: A Taxonomic Review**  
 Accepted 📍 Encyclopedia in Operations Management
- 2024 ● **Pediatric Vaccine Tender Scheduling in Low and Middle Income Countries**  
 Little Rock, AR 📍 Arkansas Bioinformatis Consortium
- 2024 ● **Pediatric Vaccine Tender Scheduling in Low and Middle Income Countries**  
 Montreal, Canada 📍 IISE Annual Conference
- 2024 ● **Pediatric Tender Scheduling Under Uncertainty**  
 Seattle, WA 📍 INFORMS Annual Conference



## HONORS RECEIVED

- 2024 ● **Alpha Pi Mu Honor Society**  
 Industrial Engineering 📍 University of Arkansas  
 · Inducted into Alpha Pi Mu, for distinguished graduate achievement.
- 2019 ● **R1J (Data Science) PDSI**  
 US Army 📍 US Army  
 · Awarded the Personnel Development Skill Identifier (PDSI) R1J for Data Science
- 2018 ● **Omega Rho Honor Society**  
 INFORMS 📍 AFIT  
 · Inducted into Omega Rho Honor Society for academic excellence through GPA greater than 3.75

Academic achievements