**CAREER SUMMARY**

Multi-disciplined National Security professional and Public Policy doctoral candidate currently seeking a full-time Research and Development (R&D) data science position. Experienced in HTML5, CSS3, Bootstrap4, JavaScript, Python, PostgreSQL, and statistical methods. Advanced knowledge in leading high-functioning teams and planning, organizing, and executing Department of Defense Applied Science programs.

**TECHNICAL SKILLS**

Python, JavaScript, Github, Gitlab, PostgreSQL, HTML, CSS, Bootstrap, APIs, JSON, REST, command line, data visualization, qualitative analysis, multivariate statistics, general linear modeling, Applied Research & Development, public policy analysis & evaluation

**DATA SCIENCE**

**Heroes of Pymoli**

* A thorough reporting capability that analyzes and displays gaming purchase data
* Original single architect and data analyst for this project
* Uses Jupyter Notebook and Pandas Library
* <https://github.com/phortitude/DataViz-HW4>

**Tableau**

* An in-depth data analysis and visualization capability applied to New York City bike data
* Original single contributor to the work
* Uses Tableau Public
* <https://github.com/phortitude/DataVizHomework_Tableau>

**NYC Jobs App**

* Full-stack data science application that categorically maps New York City jobs
* Project lead and back end data engineer/manager
* PostgreSQL, Python, Flask, SQLAlchemy, Leaflet.StoryMap, HTML/CSS, JavaScript
* <https://github.com/phortitude/DataViz-Project2-TeamBlue>

**R&D EXPERIENCE**

**National Geospatial-Intelligence Agency, St. Louis, MO (5/2010 – Present)**

*Research Site Lead/Supervisory R&D Scientist*

Selected, ahead of peers, as the Research Campus West Site Lead responsible for the daily business activity for 22 government R&D scientist, 18 contractors, and 12 detached agency personnel. Focuses personnel and assets towards Geospatial Intelligence hard problems, drives future requirements for multi-billion dollar new facility (New NGA Campus West), and creates cross-organizational collaboration with internal research groups and external sites. Principle Investigator for research program focused on modeling the military operational environment; and Program Manager for $600K scientific investigations into environment and culture hard problems. Trains, resources, and evaluates four Senior R&D Scientist and one Visiting Scientist, executing over $2.3M in applied R&D.

**National Geospatial-Intelligence Agency, St. Louis, MO (5/2010 – 9/2016)**

*Project Scientist*

Single-handedly started a new business unit for NGA InnoVision Industry Outreach Division in St. Louis which resulted in 16 active Cooperative Research and Development Agreements (CRADAs), a $2M funded Small Business Innovative Research (SBIR) contract, and multiple In-Q-Tel work program demonstrations. Aeronautical CRADAs generated over $20M in revenue for the collaborator (follow-on contracts), reduced hard copy print budget by $2M/year, and directly changed Federal Aviation Administration (FAA) regulations to now allow iPads in the cockpit of commercial airlines. Awarded 2011 Junior Project Scientist of the Year among 250 other scientist.

**SYSTEMS EVALUATION EXPERIENCE**

**MSA Incorporated, Aberdeen, MD (10/2007 – 9/2009)**

*Senior Systems Analyst*

Performed Integrated Logistics Supportability (ILS) and Manpower & Personnel Integration (MANPRINT) analysis for military weapon systems designed to counter improvised explosive devices (IEDs). Tested and documented Capabilities & Limitations for 56 Rapid Initiatives (RI) and eight programs of record (PoR) for the Joint Improvised Explosive Device Defeat Organization (JIEDDO). Utilized requirements documents (ICD, CDD, and CPD), Measures of Performance (MOPs), Measures of Effectiveness (MOEs), Critical Operational Issues (COIs), Key Performance Parameters (KPPs), Key System Attributes (KSAs), and Data Source Matrices (DSM) to perform logical analysis and develop supportability statements for inclusion into classified/unclassified Test & Evaluation Master Plans (TEMPs), System Evaluation Plans (SEPs), and Early Strategy Reviews (ESRs).

**EDUCATION**

**Bootcamp Certificate: Washington University, St. Louis, MO (2019)**

*Washington University Data Analytics Bootcamp – Full Stack Web Development*

An intensive 24-week long bootcamp dedicated to designing and building web applications. Skills learned include HTML5, CSS3, JavaScript, Bootstrap4, PostgreSQL, Flask, D3.js, and Python.

**PhD, Public Policy Analysis & Evaluation (ABD)**

*St. Louis University, St. Louis, MO* (Estimated August 2020)

**MBA, General Business**

*Troy State University, Dothan, AL* (2003)

**BAS, Technology Management**

*Troy State University, Dothan, AL* (2002)

**AA, Psychology**

*Marion Military Institute, Marion, AL* (1991)