**KOMI DZIEDZOM DETTI**

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**SECURITY CLEARANCE**: Top Secret/SCI (Active)

**EDUCATION**

**Master of Science in Applied Statistics**  12 DEC 2020

Wright State University Dayton, Ohio

**Bachelor of Science in Mathematics** December 2016

Wright State University Dayton, Ohio

**EXPERIENCE**

**Senior Data Analyst** Feb 2019 Present BlueHalo Fairborn, Ohio

* Spearheading multiple moderate-sized projects, overseeing end-to-end design, and conducting comprehensive analyses.
* Managing a team to perform statistical analyses on newly developed tools, identifying weaknesses, and exploring avenues for enhanced efficiency.
* Conducting in-depth research to develop innovative solutions and contributing to the design, testing, and analysis of proof-of-principle experiments.
* Utilizing statistical models, including regression analysis, to fit data and derive meaningful insights.
* Acquiring cross-disciplinary knowledge and fostering teamwork within multidisciplinary environments.
* Formulating and solving complex problems, exploring novel approaches, and contributing to the advancement of projects.
* Analyzing radar data (monostatic/bistatic) to determine the features and motion of objects of interest.
* Employing data visualization and regression analysis on metric and signature data to ascertain trajectory, apogee, and impact of objects.
* Rigorously testing tool efficiency and providing valuable recommendations to software engineers.
* Reviewing and approving peers' reports to ensure the timely delivery of high-quality documents to customers.
* Creating detailed technical reports and effectively briefing customers within the Measurement and Signature Intelligence (MASINT) community at NASIC.

**Research Scientist** May 2017-Feb 2019

Air Force Research Laboratory (AFRL), Wright Patterson Air Force Base Dayton, Ohio

* Executed statistical analyses on data acquired from electronic equipment, demonstrating proficiency in extracting meaningful insights.
* Acquired hands-on experience in collecting, processing, and analyzing both numerical and categorical data.
* Utilized advanced computer software to identify trends in multivariable data and construct predictive statistical models.
* Demonstrated expertise in experimental design, calculating sample sizes, and optimizing environments to enhance data collection.
* Developed skills in data visualization, regression analysis, probability assessment, and predictive modeling to derive actionable conclusions.
* Applied statistical techniques, including ANOVA/MANOVA, factor analysis, and principal component analysis, to exploit and comprehend complex datasets.

**Research Assistant** May 2016-December 2016

Air Force Institute of Technology (AFIT),Wright Patterson Air Force Base Dayton, Ohio

* Assisted AFIT professors in conducting research in engineering and applied mathematics.
* Used computer simulation software to organize and analyze data to predict future outcome.
* Gained experience in Linear Regression, ANOVA using SAS programming Language.
* Developed complex algorithms and models to solve major engineering problems for DOD.
* Worked with a team of engineers on multiple DOD projects.

**Faculty Research Assistant** June 2014-December 2014

Wright State University Dayton, Ohio

* Collaborated with faculty members on a major initiative sponsored by the National Science Foundation, actively contributing to the project's success.
* Applied mathematical and statistical expertise to assist in the development of algorithms for the National Science Foundation, showcasing a strong analytical skill set.
* Took on a leadership role by guiding a group of students in a mission to identify and resolve discrepancies, demonstrating problem-solving abilities and teamwork.

**Military Service United States Air Force**

**Medical Technician** April 2010-January 2016

Intelligence Analyst March 2022- Present

WPAFB, OHIO

* Designing questionnaires for a successful and efficient intelligence data collection.
* Preparing intelligence reports, maps, and charts.
* Maintaining all source databases on area of responsibility using all-source intelligence

tools to perform all source threat force analysis.

* Create databases regarding enemy forces, equipment, locations and capabilities
* Conducting all-source analysis across many of the intelligence gathering disciplines, and

cross-reference with identity data, travel data, and open-source information to discover

derogatory links.

* Leading and training team members in performing daily assignments and ensuring

completion of all recurring training/certifications.

* Demonstrating strong targeting, research, writing and briefing skills.

**SKILLS**

* Proficient in multiple programming languages, including Python, and Excel, for comprehensive data analysis and manipulation.
* Specialized in multivariable analysis, employing advanced statistical techniques such as hypothesis testing, MANOVA, PCA, Factor Analysis, and Cluster Analysis.
* Adept in data visualization techniques to effectively communicate complex information.
* Skilled in regression analysis, encompassing Multiple Linear Regression (MLR), Simple Linear Regression (SLR), and nonlinear models.
* Applied machine learning techniques, including Bootstrapping, Classification algorithms, Logistic Regression, Decision Tree.