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| **NIKA S. STEPHENS** | 3908 Gateway Drive  Philadelphia, PA 19145 |
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**OBJECTIVE:** Multi-disciplined engineer seeks full-time position as a Data Scientist.

**PROFESSIONAL PROFILE**

* Knowledgeable of basic functions in SQL for data retrieval
* Experienced in use of MATLAB for data reduction and algorithm generation
* Solid background in mathematics, physics, problem-solving and analysis
* Knowledgeable of statistics, financial mathematics and probability distributions from academics and private study
* Experienced in technical writing
* Good oral and written communication skills
* 20+ years experience in use of Microsoft Office Products

**RELEVANT WORK EXPERIENCE**

**Senior Systems Engineer**

Contractor (Aerotek, General Dynamics), Southeast Pennsylvania, 2019 to present

* Perform programmable logic computer (PLC) testing on Advanced Weapons Elevators
* Developed requirements for Next Generation Platform for the NeuroStar System.
* Perform Risk Management and Analysis.
* Generate Traceability for system and subsystem requirements and associated risks.
* Perform Test Management development.

**General Engineer**

National Oceanic and Atmospheric Administration (NOAA), Silver Spring, MD, 2017 to 2018

* Assisted with the codification of NESDIS Level Zero requirements consistent with NESDIS end to end architectural goals.
* Developed level one requirements for various projects.
* Served as the backup for my department’s enterprise risk management program. Duties include organizing enterprise level issues, risks, and concerns.
* Performed enterprise system architecture design, engineering, and analysis to balance technical cost, and schedule to meet the department’s mission, vision, and objectives.
* Performed systems engineering design, analysis, and evaluation end to end across my department’s enterprise of space flight, ground, data, and archive segments.
* Served as the department’s Contracting Officer Representative (COR).  Primary duty was to ensure that contractors with NOAA meet their obligations as outlined in their contract.
* Completed a federal two-week training on Systems Engineering and Program Management.

**Systems Engineer, Integration and Test**

Northrop Grumman Mission Systems, Linthicum Heights, MD, 2015 to 2017

* Conducted hands-on integration and testing of Radio Frequency (RF) sensor systems
* Performed data analysis reduction of real and test flight data
* Conducted mathematical modeling and simulation of flight data using MATLAB
* Performed technical writing of Functional Description Documents (FDD) and Interface Control Document (ICD)
* Performed Software Confirmation Testing (SCT) in a simulated lab environment

**Design and Analysis Engineer (Electrical)**

Boeing Defense Systems (BDS), Ridley Park, PA, 2010 – 2015

* Developed hardware and software procedures for testing electrical systems for the manufacturing, maintenance and repair of the Chinook helicopters for domestic and international customers
* Performed system tests in Common Avionics Architecture System to verify operational and functional requirements and to ensure supplier compliance with requirements
* Used Altaview and Wireshark to analyze 429, 1553 and Ethernet data
* Routinely performed technical writing and visual presentation development
* Served as the Subject Matter Expert for the Emergency Locator Transmitter.
* Responsibilities included designing wiring drawings in CEEDs based on supplier diagrams, researching potential problems and solutions and communicating with supplier to ensure compliance with requirements
* Maintained a Secret security clearance

**COMPUTER SKILLS**

* Software and Design: Microsoft Office, Adobe Acrobat,
* Boeing Applications: iMAN, DOORS, CEEDs, Sherlock, Altaview, Winlite, Wireshark
* Programming/Simulation: MATLAB, C Programming, MathCAD, SQL
* Military Applications: Remote work Station (RWS), All Source Analysis System (ASAS)

**EDUCATION**

**Master of Science in Mechanical Engineering and Mechanics** (ABET Accredited), 2012

Drexel University, Philadelphia, PA

**Bachelor of Science in Engineering Physics,** Minor in Mathematics, (ABET Accredited), 2008

Embry-Riddle Aeronautical University, Daytona, FL

**PROJECT EXPERIENCE**

**Scenario Based Test,** Team Project – Boeing, November 2013 – March 2014

* + Designed a communications test as part of a team of 10 engineers to simulate a real-life military mission to rescue troops in enemy terrain
  + Successfully demonstrated the functions of the communications and enemy detection systems on the Chinook helicopter in a combat environment in formal testing
  + Received a small monetary award for my contributions and performance on this project

**MILITARY EXPERIENCE**

**Intelligence Analyst,** United States Army, January 2001 – January 2005

* Researched, compiled and analyzed statistical data to predict the likely course of action of the enemy in a combat environment
* Used aerial photographs, signal, image and human intelligence to make assessments and estimations of troop strength and enemy activity in Baghdad, Iraq
* Presented findings in written and oral presentations to designated staff members
* Protected classified information
* Supervised, mentored and trained subordinates
* Attained a Top Secret security clearance (Expired July 2008)

**OTHER WORK EXPERIENCE**

**Claims Examiner (Federal Position),** Department of Veterans Affairs, August 2008 – December 2009