Teriana Jaslin Pride

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OBJECTIVE: To secure a position with room for upward advancement based on performance.

EDUCATION

Master of Science in Space Systems Engineering   December 2021
    Johns Hopkins University, Baltimore, MD
Bachelor of Science in Physics   December 2019
    Howard University, Washington, D.C.

PROFESSIONAL EXPERIENCE

Northrop Grumman
    Systems Engineer, Linthicum Heights, MD   (September 2024 – February 2025)
    Forging Armor Microelectronics – Systems Engineering, Integration & Test Phase

- Developed a functional decomposition model for the processing system using Systems Modeling Language (SysML) within the MagicGrid Framework in Cameo (MagicDraw, Dassault Systems Modeling Software).
- Implemented Interface Control Document template and detailed instructions to automate artifact generation across 14 processing system programs for the Microelectronics Division.
- Drafting the System Design Description for the processing chip, detailing hardware, software, and the interfaces between the two components.
- Designed a Digital Engineering Environment as a Confluence website to streamline the management and integration of Software, Hardware, and Program Management artifacts, including:
    - Created the Statement of Work in Microsoft Word.
    - Work Breakdown Structure developed in Microsoft Visio.
    - Task Management Repository established in JIRA.
    - Vendor Configurations, including an Interface Control Document authored using Cameo's Report Wizard feature.
    - Use Case Narrative, featuring structural, behavioral, and parametric models generated in Cameo.
    - Parametric Simulations, performed using ModelCenter, integrated with the Cameo model to validate heat dissipation, signal noise, and performance constraints against speed and accuracy requirements.
    - Requirements Verification and Test Matrix managed in Jama Requirements Software (DOORS alternative SW).
    - Drafting the Concept of Operations (CONOPS) to describe the mission engineering of the processing chip, defining workflows and operational use.

The MITRE Corporation
      Systems Engineer, McLean, Virginia   (March 2022 – September 2024)
      Intelligence Analysis Systems Engineering

- Modeled functional decomposition of Radio Frequency (RF) collection systems in the Unified Architecture Framework (UAF) using Cameo to support future acquisitions for the USGC-A sponsor.
- Developed SysML models in Department of Defense Architecture Framework (DoDAF) of Telemetry, Tracking, and Command (TT&C) capability structures and operational processes for Air Force/Space Force sponsors. (ToGAF alternative)
- Modeled operational processes for the USSPACECOM Satellite Network Operations Center (SNOC) in UAF using Cameo for a DIA sponsor.
- Create a comprehensive repository of multi-constellation satellite user terminals, including at-the-halt, on-the-move, and maritime end-users, integrated into the digital engineering platform for an Army sponsor.
- Programmed a parsing function in Python for Google Earth simulations to overlay radar interference impacts on cell phone towers for a Navy sponsor.
- Designed a graphical CONOPS in Adobe Illustrator for a space system performing data relay functions for an Intelligence sponsor.
- Participated in International Telecommunications Union (ITU) meetings to draft amendments to radio regulation policies for a NATO sponsor.

Alion Science & Technology (Huntington Ingalls)
      RF Wireless Engineer, Annapolis Junction, MD   (November 2020 – March 2022)
      International Telecommunications Union Radio Regulations Analysis

- Conducted worst-case analyses for Ultra High Frequency (UHF), Aeronautical Mobile Telemetry (AMT), and S-/X-/Ka-Band frequencies of geostationary satellites, leveraging Excel macros for Navy, Army, Air Force, and Intelligence sponsors.
- Performed power flux density calculations and developed graphical analyses for 8 GHz Non-Geostationary Satellites.
- Evaluated potential RF interference using Excel and SOAP simulation software for the new Space Transport Layer-T0 spacecraft and ground stations under development.
- Drafted detailed reports for monthly ITU meetings, summarizing interference findings for foreign satellite administrations on behalf of Navy, Army, Air Force, and Intelligence sponsors.

      Systems Engineer, Alexandria, VA   (January 2020 – November 2020)
      Wargame Simulation Software Development

- Designed and executed the FREAK test cases matrix to validate software functionality and performance in simulation scenarios for an Army sponsor.
- Authored the FREAK simulation software final report, providing a comprehensive summary of lessons learned and recommendations for future improvements.

AWARDS

- Inducted into the Sigma Pi Sigma Physics Honor Society (May 2020)