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|  | | **NATHANIEL J FOSTER** |  | |
|  | | [nathaniel.j.foster@comcast.net](mailto:nathaniel.j.foster@comcast.net) | (609) 560-2436 |  | |
| **Work Experience**  **Systems Engineer**  **June 2018 – Present**  **Lockheed Martin**, RMS Moorestown   * Developed, integrated, maintained, and tested Baseline (BL) 9 & 10 variations of the Command and Decision (C&D) product as a member of the Aegis Combat System Integration (ACSI) Team. The ACSI team is an Agile project management team operating on all levels of the systems engineering V-chart. * Provided mentorship as a technical POC for new hires and interns * SECRET DoD government clearance required for job tasking * Projects & Technical Areas of Focus:   + ACB16 BL921 & BL922     - C&D and Vehicle Control Domain Baseline Delivery Lead       * Supported program planning – cost, schedule, technical risk       * Coordinated with Program Office to ensure proper staffing       * Monitored contract charging to ensure adherence to program spending plan       * Managed JIRA records to support Agile development and Digital Transformation initiatives       * Coordinated tasking of C&D Systems and Software teams to support product development and baseline certification   + Elevated Radar Advanced Calibration Experiment (ERACE)     - Deputy Technical Director       * Coordinated lab resources, ERACE product teams, and product integration       * Supported naval customer meetings     - C&D Baseline Delivery Lead       * Coordinated between C&D programs to identify and support program interdependencies       * Determined C&D tasking and task priority       * Provided the program office with estimated time to completion budget plans     - Subject Matter Expert     - Stood up BL9C23 SPY1 Radar Track Manager function     - Implemented Initial CYCLONE/RTSC automation script testing for BL923   + Digital Air Control Two Way Data Exchange (DAC TWDE)     - Subject Matter Expert     - Supported Navy requested DAC re-introduction effort     - Performed analysis and maintenance of Air Control re-architecture effort   + TACAIR     - Subject Matter Expert     - Implemented TACAIR Phase 1 on Aegis BL921, BL922, BL923, and BL10     - Selected to perform C&D TACAIR Phase 2 trade study     - Provided test support to Integrated Fire Control (IFC) live demonstrations and test events   + Valiant Shield 2020 – F-35 MADL Integration     - Performed analysis of Kalman Track Filtering to produce pseudo associated measurement reports from smoothed data     - Integrated F-35 fire quality tracks into a Virtual Aegis Weapon System (VAWS) completing an IFC loop with Standard Missiles and Patriot Advanced Capability – 3 (PAC-3)     - Supported Surface Navy Innovation Center VAWS integration testing   + AIR 6500     - Evaluated integration of Aegis Command and Control processing into a next generation Joint Battle Management System to support Australian Defense Force IFC loops of previously disconnected systems   + Accelerated Mid-term Interoperability Improvement Project (AMIIP)     - Performed analysis and maintenance of processing to avoid data ringing and maintain a common track data picture on multiple units operating on multiple datalinks   + Identify Friend or Foe (IFF)     - Performed verification of IFF objective-design integration on BL9A2A | | | | |
| **Education** | **Johns Hopkins University (JHU)**,Baltimore, MD  **Master of Science in Computer Science**  **Rensselaer Polytechnic Institute (RPI)**, Troy, NY  **Bachelor of Science in Electrical Engineering**   * Rensselaer Leadership Award * Dean’s List * ACHA Academic All American | | | **January 2020 – Expected December 2023**  **August 2015 – May 2018**  **(3 Years)** |
| **Skills** | **Applications:** Microsoft Office Programs, CAD (Auto & NX10), Git, Atlassian JIRA, DOORs, Rhapsody, Confluence, Virtual Box  **Computer Languages**: Java, C, C++, MATLAB, LabVIEW, OrCad PSpice, Linux Redhat, Kali Linux | | | |
| **Interests** | Lockheed Martin Moorestown Ice Hockey  RPI ACHA DII Ice Hockey | | | **June 2018 – Present**  **August 2015 – May 2018** |