

Willem N. ELSDON

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OBJECTIVE: A cleared systems engineer with over three years of experience in mechanical design, systems engineering, and software quality assurance who's seeking opportunities to further my career and technical ability.

PROFESSIONAL EXPERIENCE

Raytheon Intelligence & Space — *Systems Engineer II* FEBRUARY 2022 - PRESENT
IV&T — *SEIT*

- Lead daily Scrums via **Jira** with the IV&T team and brainstorm solutions to story blockers with leadership
 - Create new feature files used in automation, leveraging **Gherkin** syntax and **Visual Studio Code** via VDI's
 - Verify Discrepancy Reports (DR's) from creation to final integration, review pull requests using **BitBucket**
 - Assist coordinating test plans and events for Integrated Master Schedule (IMS) milestones using **Jira** and **Confluence**
- Systems Engineering — *SEIT***
- Spearheaded an initiative to overhaul and polish the **MBSE** model of the FORGE system while adhering to **SysML**
 - Worked with SMEs from all product teams to better structure the model, ensuring a scalable and futureproof representation of the system
 - Developed scripts (**Apache VTL**) for use with **CAMEO** that captures necessary information for customer facing documentation
 - Led various customer meetings, verifying requirements were met and appropriate actions were in place to meet the demands of those slated for completion

Raytheon Intelligence & Space — *Systems Engineer I* JULY 2020 - FEBRUARY 2022
IV&T — *SEIT*

- Performed various tests (integration, regression, performance) throughout the system
- Wrote technical documentation (Test Cases, Integration Cases, Test Procedures) for new capabilities added to a legacy system
- Brought new and updated documentation through review (review boards & critical review meetings)
- Troubleshoot and documented all encountered issues using **ClearQuest** and **root-cause** analysis

Western Aircraft — *Engineering Intern* OCTOBER 2019 - APRIL 2020
Avionics — *Mechanical*

- Utilized **Solidworks** to design tooling used in the repair and maintenance of private aircraft
- Helped engineer solutions for the upgrade and repair of avionics, leveraging **ANSI** drawings that outlined installation and removal
- Communicated with **FAA DER's** to validate designs, once validated I worked with A&P mechanics during installation
- Took accurate physical measurements of aircraft internals to identify ideal mounting and repair locations

Northrop Grumman — *Composites Structure Design Intern* MAY 2019 - AUG 2019
Ducts & Doors — *Mechanical*

- Collaborated with managerial and engineering staff to determine optimal solutions to repair composite parts damaged during the manufacturing process for the air inlet ducts of the F-35
- Communicated these repairs directly to Liaison Engineers where they were implemented immediately
- Officially revised three Material and Process specifications to create a more efficient manufacturing procedure and presented these changes to a board of high-level engineers and managers
- Organized all previous repairs into one catalog, allowing for quicker repair acquisition and less manufacturing downtime

EDUCATION

Mechanical Engineering — *Bachelor of Science* MAY 2020
Boise State University GPA: 3.76
Gem Scholarship Recipient

SKILLS

- CAMEO Enterprise Architect, Solidworks, Linux, Atlassian Suite, Excel, Scrum Master, Technical Writing