

KALE EVANS

kaletevans@gmail.com

5000 N Kelley Ave • Oklahoma City, OK • (254) 718-0907

EDUCATION

The University of Oklahoma	Bachelor of Science, Aerospace Engineering	May 2019
-----------------------------------	--	----------

EXPERIENCE

The Boeing Company – <i>System Engineer</i> ; Tinker AFB, Oklahoma City	July 2019 – Present
--	---------------------

Systems Engineering Experience

- Operated as a System Engineer for the Boeing B-52 Radar Modernization Program, tasked with replacing the B-52's current radar with a modern, Active Electronically Scanned Array radar
- Developed and improved sections of the program System/Subsystem Design Description, a document breaking down system level requirements into detailed requirements for each subsystem, requiring heavy communication and support from integrated product teams and the customer before being released as a package for the system level Preliminary Design Review
- Created a Technical Data Package for the system level Preliminary Design Review, involving a large collaboration effort between integrated product teams to compile all subsystem level technical data involved with the installation of the new radar into a presentable deliverable for the customer
- Completed sections of the system Hardware Requirements Document, a document outlining the requirements for integrating the new system components with current hardware residing within the aircraft, also including a removals appendix, which detailed the legacy hardware components that were to be removed from the aircraft
- General systems engineering work involved constant communication with integrated product teams as updates and changes were made to individual subsystems to ensure a smooth flow of data for integration into top level system design

Logistics Experience

- Performed several tasks as an integrated logistics support engineer, involving developing systems to track parts as well as packaging and shipping methods
- Developed a strategy to create identification markings for program unique parts to track the parts upon construction from the supplier up to integration into the aircraft. Presented this unique item identification plan at the system level Preliminary Design Review
- Completed an analysis of logistics requirements for part packaging and shipping, involving several factors, including pallet placement, shelf life, and shock resistance due to transportation, to ensure that these requirements were being met by the subsystem teams

Intuitive Machines – <i>Engineering Intern</i> ; Houston, TX	May 2019 – July 2019
---	----------------------

- Designed and developed composite materials for oil pipeline surveillance UAVs
- Presented the composite design to potential customers and investors
- Designed a prototype aircraft transportation and deploy system for ease of use for customers

VOLUNTEER EXPERIENCE

Sooner Flight Club – <i>Teacher</i>	June 2018 – May 2019
--	----------------------

- Led several summer camp groups of children in grades k-12 in learning about airplane science and piloting as an effort to encourage young children to pursue careers in STEM
- Assisted with the development of lesson plans about aircraft physics and design

ADDITIONAL INFORMATION

Skills: Microsoft Office Suite, Excel (*Adept*), Data Mining, C++, Matlab / Simulink, DOORS, CAD

Interests: Business News, Stock Market Analysis, Strength Training, Tennis, Golf, Machining and Tinkering

Work Eligibility: Eligible to work in the U.S. with no restrictions