

FIDELIA JONES

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EXPERIENCE

MOEN, DACH AND STRACKE

Boston, MA | Experienced Mechanical Engineer 05/2020 – present

- Assists in preparing technical documents for verification of mechanical-hydraulic components and systems
- Analyze system integration requirements and airplane systems metrics to identify improvement projects
- Participate as key contributors to Mechanical-Hydraulic Requirement Review Board and similar design review forums
- Requirements database/tool experience, i.e. DOORS or Teamcenter
- Develop and review requirement hierarchies, leveraging requirement tools such as DOORS, to compose documentation to demonstrate requirement traceability and organize associated verification artifacts
- Experience in systems engineering involving: system requirements, functional decomposition and allocation, integrated design, analysis and evaluation, verification
- Experience with Verification & Validation (or “V&V”) traceability and documentation

WEIMANN, LINDGREN AND HERMAN

Boston, MA | Experienced Mechanical Engineer 04/2017 – 12/2019

- Change requests are managed according to the DE / Release process
- The quality system and the methods of his/her group are implemented (risk analyzes, FMEA, design reviews, quality planning, DTE, treatment of NC, ...)
- Validations (CI, RF, RC) are obtained after the phases of realization, installation, start-up and development of the equipment made in collaboration with related metiers of the industry
- Prototype projects managed by the process development teams are supported
- As built" folders up to date
- 2-3 Co-op/Intern rotations in a manufacturing environment
- Bachelor of Mechanical Engineering degree with at least 3-5 years of related experience
- Must have strong leadership, communication, and organizational skills

EDUCATION

UNIVERSITY OF MISSOURI–COLUMBIA

Bachelor's in Engineering

SKILLS

- Experience designing mechanisms and/or primary structure in aerospace or maritime applications
- Experience with production and fabrication support (Material Review Board (MRB), Non-Conformance (NCR) disposition, Supplier Information Requests (SIR)
- Tools: NX, CATIA, TeamCenter, NASTRAN
- Develops gearbox and related component detail and assembly designs
- Develops and maintains product detail, assembly and installation designs
- Documents processes, specifications and procedures that support the design and manufacture of drive system parts and assemblies
- Bachelor's degree in Engineering, Computer Science, Mathematics, Physics, or Chemistry from an ABET accredited program