

Exhibits Engineer / Drafter

SUMMARY

Exhibit Engineers are the primary staff responsible for exhibit design and production. Although exhibit designs will come from many sources and fabrication may be accomplished in coordination with other staff or entities, exhibit engineers ensure the functionality, reliability, safety, efficiency, and cost effectiveness of each exhibit. Exhibit engineering at the Process Curiosity emphasizes the design and building of interactive exhibits with complex mechanical, electrical, and plumbing systems within design, budget, and schedule to fulfill the needs of the project. Exhibit engineers are also expected to be knowledgeable of current technologies and professional standards and to have an active role in the maintenance and improvement of existing exhibits, design practices, and documentation standards.

ESSENTIAL FUNCTIONS

- **Execution:** Consistently deliver high-quality exhibit engineering across a number of projects under the direction of project leadership. Create exhibit designs that fit into budget and schedule, meeting regular milestones. Produce complete sets of design documentation including: part and assembly drawings, bills of materials, electronics and wiring schematics, maintenance manual pages and assembly instructions. Provide support to Production Management and project teams as needed in regards to purchasing efforts, including occasional management of subcontractor and vendor relationships. Design and fabricate basic tooling/fixtures for manufacturing.
- **Solutions/Idea Generation:** Regularly implement a wide variety of practical and innovative engineering strategies. Work to find creative ways to bring new and appropriate technologies into our current system.
- **Fabrication Support:** Contribute to general museum operations, including shop and/or lab maintenance, exhibit maintenance, material ordering and stocking, and equipment upkeep. Share design and engineering techniques with other staff. o Provide technical advice to help production staff order and build exhibits; promote quality, efficiency, and decreasing costs. Maintain current library of exhibit designs by managing design revisions, photographing design details, and organizing design information.



Collaborate with design, engineering, and production staff, to find efficient ways to create exhibits.

- Other duties as assigned

MINIMUM QUALIFICATIONS

- BA/BS degree or equivalent combination of education and experience, preferably in engineering or design.
- Basic shop knowledge: wood, metal, and plastic fabrication; prototyping and fabrication of exhibits using appropriate production methods; follow safety standards.
- Basic experience with design software (AutoCAD, Fusion) essential plus working knowledge of

MS Word & Excel.

- Ability to effectively communicate ideas and concepts through hand sketching, basic drawing skills preferred.
- Ability to collaborate as part of an effective team.
- Ability to adhere to budgets and timelines for individual exhibits and projects, and to proactively communicate expected variances.
- Sense of value and efficiency as expressed in effectiveness of solutions, use of materials, and personal time management.
- Interest in science and teaching a plus.
- Ability to lift and carry up to 50 pounds short distances. Able to move from place to place; bend, stretch, grasp, reach, kneel and twist.

APPLICATION DEADLINE

Open until filled

JOB TYPE

Full time

SALARY

\$18.00 - \$25.00 per hour. Based on Experience

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