

Olivia Pierce

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Education and Skills

B.S Mechanical Engineering, University of Texas at Austin

2020-May 2024

- GPA: 3.81
- Pursuing minors in Business and Entertainment & Media Industries, focus in Industrial Engineering & Management.
- UT Forty Acres Scholars Program - Endowed by the Moore Family, Chevron Enrichment Stipend recipient (premier merit scholarship program at UT)
- Coursework in management, fluid mechanics, analogue circuits, heat transfer, and themed entertainment design. Study abroad programs completed in Scotland and Denmark.

Skills

- Proficient in MATLAB, SolidWorks, and Blender. Skilled in project coordination, including software such as Microsoft Office, Bluebeam Revu, and Procore. Experience reading technical, architectural, and shop drawings.

Work and Leadership Experience

Live Show Technical Intern, Universal Creative

5/23-8/23

- Supported the development and construction of a new live theater show by coordinating meetings between relevant parties, assisting with design reviews, creating and managing element lists, and helping to find and address clashes.
- Developed and carried out plans for testing new technology elements critical to the show. Documented the testing process and results for use by future projects.
- Wrote scope of work for a mockup and helped coordinate a venue and vendor for the mockup.

Mechanical, Electrical, and Plumbing Engineering Intern, Turner Construction

6/22-8/22

- Responsible for checking over \$750,000 of change orders to ensure changes matched with owner specifications and architect drawings for MEP systems. Found and resolved over \$300,000 of discrepancies between construction documents, contracts, and previous drawing phases.
- Wrote and answered RFIs and submittals for MEP subcontractors. Also coordinated and held meetings with subs when needed and tracked punch list items.
- Tracked and coordinated the submittals and releases of over 75 types of light fixtures.

Design Consultant, Easton School Planning Committee

6/20-5/21

- Developed and designed art pieces, functional spaces (including gardens and maker spaces) and historical context signage with a team for a new elementary school.
- Presented designs to an architecture firm and worked alongside them to implement the designs.

Texas Theme Park Engineering and Design

9/20-present

- Served as president, external VP, and treasurer, organizing themed entertainment industry guest speakers for monthly meetings, leading recruitment, and managed the budget, raising over \$4000 for projects.
- Led operations and marketing for a haunted house project, handling a guest flow of over 650 guests.
- Managed scheduling, set design, puzzle building, and accounting for an escape room project. The escape room welcomed over 200 guests and was named Best in Show at the 2022 Themed Attraction Student Showcase. It also won best in class for Operations / Project Management / Budget.

Set Designer, University of Edinburgh Footlights

9/22-3/23

- Worked with production and lighting teams to design and fabricate a set for a musical theatre production that fit their needs, directoral vision, budget, and UK specific safety rules.

Technical Director, NextGen Showcase

6/22-4/23

- Led the technical efforts for my team in a 10 month themed entertainment case study program with young professionals in the European themed entertainment industry while studying abroad.
- Worked alongside creative director to develop and design over 20 unique interactive games for a story-focused walkthrough attraction and led the team through the stages of development, up through detailed design.

Awards and Accomplishments

- 2022 Toronto Met U Thrill Design Invitational presented by Universal Creative: recognized with distinction for creative skill and integration, recognized for communication, feasibility, and human centered design
- 2nd place 2021 Cornell Theme Park Design Competition
- Massachusetts House, Senate, and Governor's Citations for outstanding work in STEM Outreach