



# RAVEN SHALES

Technical Direction  
Safety Management  
Accessibility Consultant

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💻 Raven-shales.com

## EDUCATION

**BFA (In Progress) in Scenic Technology**  
University of Illinois in Urbana Champaign  
2021-Present

## SKILLS/TRAINING

- Advanced Carpentry
- General Metalworking
- Pneumatic Tools Experience
- MIG Welding
- Water Jet Cutting
- Creative Conner's Experience
- Spike Mark 4 Proficiency
- AutoCAD 2D/3D Experience
- Counterweight Rigging
- Chain Motors Experience
- Genie Trained
- Structures Training
- OSHA 10 Certified
- HAZWOPER 24 Certified
- CPR/First Aid Certified
- Excel Spreadsheet
- Canva Experience
- Adobe Acrobat
- Universal Design Practices
- Team Management
- Adaptability and Flexibility
- Complex Problem Solving
- Conflict Resolution
- Technical writing
- Leadership
- Public Speaking
- Attention to Detail
- Valid Drivers License
- COVID-19 Vaccinated
- Retired IL State EMT Certification
- OSHA 30 in progress
- ACLS certification in progress
- CPR/First aid instructor certification in progress

## REFERENCES

Available upon request

## Experience

- 2025-Present  
**Technical Director/Accessibility Consultant**  
**Urbana Free Library - Fairy Tale Ball**  
Technical Director for a non-profit event put on yearly to raise money for the Urbana free Library. Significant budget and environmental restraints to this project. Also consulting with the library about accessible design improvements that can be made to the library.
- 2024  
**Technical Director**  
**Illinois High School Theatre Fest**  
Technical Director of the Coldwell Playhouse at the Krannert Center for performing arts. Managed the load in/out and run of six shows from multiple schools over the course of 3 days.
- 2024  
**Technician**  
**North America Theatre Engineering Architecture Conference**  
Technician running public speaker presentations
- 2024  
**Public Speaker/Consultant**  
**North America Theatre Engineering Architecture Conference**  
Spoke in small groups about my accessible and universal design as it pertains to building ADA+ compliant theatre spaces for both audience members and technicians.
- 2023-Present  
**Consultant**  
**Accessibility consulting with UIUC Campus professionals**  
Was a part of a four-person team that designed a machine based off of the prompt of "Guess who". Designed to lift a panel with a specific amount of force. Our group won Overall Design and Proposal.
- 2024  
**Team Leader**  
**Purdue Stage Machine Design Competition Winner**  
Was a part of a three-person team that designed a stage dumbwaiter elevator. Needed to meet specific requirements for weight lifting and could use no motors or automation.
- 2023-2024  
**Technical Director**  
**Rise of Arturo UI**  
Managed a production with a large flying tent in a space with limited grid space to share between departments. Designed and managed multiple pulley systems, an automated tent and several pneumatic kabuki drops. Also managed drafting and plating of units, budgeting and calendaring.
- 2023  
**Assistant Technical Director**  
**Wild Party**  
Assisted the production of the show working directly with the TD to ensure a smooth process. Assisted in managing leadership, drafting set components, carpentry, and organization/management. My main focus was a custom modular ramp unit to be used for this production and for future ones.
- 2023  
**Head Carpenter**  
**The Royale**  
Helped construct several automated scenic units including a boxing ring, traveling walls, windows, and a bell unit. Assisted in setting up and reeving several Creative Connors motors and winches. Coordinated and problem-solved for automation and rigging during the production run.
- 2023  
**Group Participant**  
**Purdue Stage Machine Design Competition Winner**  
Was a part of a four-person team that designed a machine based off of the prompt of "Guess who". Designed to lift a panel with a specific amount of force. Our group won Overall Design and Proposal.
- 2023  
**Automation Operator**  
**Illinois High School Theatre Fest**  
Assisted in setting up an automation demonstration. Ran Spike Mark 4 for the duration of the festival and assisted in answering student questions.
- 2022  
**Head Carpenter**  
**Revolutionist**  
Constructed several platform units, assisted in load-in, and remained present during the show run to troubleshoot scenic problems.
- 2022  
**Carpenter**  
**Sweat**  
Assisted in the build of a large custom bar unit as well as other smaller elements.