

# Megan Flynn Botkin

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## OBJECTIVE

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To work in themed entertainment as a designer using engineering and theatre technology.

## EDUCATION

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**Purdue University**, West Lafayette, IN

Graduation: May 2023

Bachelor of Science in Engineering; Multidisciplinary Engineering

Bachelor of Arts; Theatre Design & Production

**Entertainment Engineering Coursework:** Structural Design and Analysis, Rigging Analysis, Machine Design, Production and Stage Management, Scenic Design and Construction, Lighting Design, Sound Design, Controls Systems Design, Technical Drafting, 3D Modeling and Rendering

## EXPERIENCE

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**Backyard Stage Design Project, Kids Play Gym**

**Aug. 2022 – May 2023**

**Sponsored by Purdue University's Engineering Projects in Community Service program**

*Design Lead*

- Lead a multidisciplinary team to design an outdoor stage for a pediatric therapy clinic
- Performed a structural analysis of the stage to ensure the children's safety
- Created technical drawings of stage structure and seating for drawings

**Hall of Music Productions**

**Jan. 2022 – May 2023**

*Technical Staff, Part-time*

- Provided support to entertainment operations across Purdue University Campus
- Performed efficient set-up and take down of concert halls, theatre sets, etc.

**Fourth Annual Stage Machine Design Competition: Clockworks**

**Nov. 2021 - May 2022**

**Hosted by Purdue University's Fusion Studio for Entertainment and Engineering**

*Designer*

- Designed and built a mechanical prototype clock with multiple hand movements
- Collaborate with team members to ensure project met competition specifications
- Analyzed timing belts and gears to precisely time hand movements

**Purdue Department of Theatre**

**Jan. – Apr. 2022**

*Deck Carpenter*

- Responsible for ensuring safety by performing routine checks of scenic elements
- Regularly monitored stage machines and promptly resolved safety concerns
- Trained actors and stagehands on proper set usage to ensure safe productions

## ACHIEVEMENTS

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International Baccalaureate Diploma, National Merit Scholar, International Thespian Society Member, National Honor Society Member, Purdue University Presidential Scholar