



FOCUS: developing critical engineering skills and design thinking; passionate about automation and animatronics, aiming to apply technical expertise to elevate live performances, create immersive experiences, or contribute to innovative amusement park attractions

EDUCATION

Purdue University, West Lafayette IN, projected May 2025

- Bachelor of Science, Multidisciplinary Engineering with a concentration in Theatre Engineering
- Minor in Electrical Engineering Technology

LEADERSHIP IN ENGINEERING AND THEATRE

Assistant Technical Director for *El Mito or The Myth of my Pain*

Designed a 12'x16' telenovela wall that flies in and out of the stage

- Created a build plan and budget, sourced materials, created load-in and strike plans, and created a safety plan
- Technical aspects included CAD drawings, rigging, structural analysis, and CNC machine work

Engineering Design Lead

Engineering Projects in Community Service, EPICS, 2021-2022

- Catalyst Project for the Center for Innovative and Strategic Transformation of Alkane Resources on Purdue's Campus

Theatre Strike Team Leader

During strike, led teams of 3-5 people to take down parts of the set

- *Twelfth Night*, Spring 2022
- *Nora: A Doll's House*, Spring 2022
- *Everybody*, Fall 2022
- *Mr. Burns*, Spring 2023

Robotics Captain, Drive Coach, and Team Founder

FIRST Robotics Competition (FRC) Team 7472, R2Jesu, 2018-2021

WORK EXPERIENCE

Carpenter, Illinois Shakespeare Festival at Illinois State University, Summer 2023

- Scenic sewing, Rough Carpentry, Finishing Carpentry, and Metalworking

Dining Service Associate, Lutheran Senior Services Retirement Community, 2019-present

Usher, St. Louis Municipal Opera Theatre (Muny), Summer 2022

ON CAMPUS INVOLVEMENT

Purdue Outing Club

- Vice President, 2023-2024
- Member, 2021-Present
- Purdue Outing Club Adventure Race Registration Coordinator, 2022-2023
 - Over 230 racers, the largest race in POCAR history

First Lego League Challenge Robotics Mentor, Fall 2023

Reginald Racing Purdue Grand Prix Team

- Treasurer, 2022-2023
 - Raised over \$17,000
- Founder, 2022

SKILLS

Coding: C, MatLab, Python, C++

CAD: OnShape, Fusion 360, AutoCad

Tools: 3D Printer, Laser Cutter, Woodworking and Machining, Soldering, CNC/Subtractive Manufacturing, Scenic Sewing

SPECIAL CLASSES

Controls: Built and programmed a PLC

Show Networks: DMX, MIDI, QLab, etc

Project Planning for the Stage

Design Methodologies for Diverse Stakeholders

REFERENCES

Vincent Lobello

Purdue Scene Shop Supervisor

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John Stark

Artistic Director for Illinois Shakespeare Festival

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