

Wesley Carney

Technical Director & Scenic Designer

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CURRICULUM VITAE

EDUCATION

M.F.A.	Theatre Design & Technology with a Concentration in Technical Direction ➤ GPA: 4.000 / 4.000 ➤ Key courses: • Theatre Technical Direction I: Foundations I (THEA-64001) • Theatre Technical Direction II: Foundations II (THEA-64002) • Theatre Technical Direction V: Mechanics and Automation (THEA-64005) • Theatre Technical Direction VI: Health and Safety (THEA-64006) • Theatrical Rigging (THEA-51531) • Theatre Fabrication Technology (THEA-51560) • Theatrical Drafting II (THEA-51420) • Shop Management (THEA-51440) • Scenic Design I: Foundations in Single Set Scenic Design (THEA-63001) • Scenic Design II: Advanced Single Set Scenic Design (THEA-63002) • Lighting Design IV: Non-Traditional Productions (THEA-65004) • College Teaching in Theatre (THEA-61094)	Kent State University (Kent, OH)	2026 (in progress)
B.S.	Mechanical Engineering ➤ GPA: 3.861 / 4.000, Class Rank: 14 of 126 ➤ Designed and created a carbon nanotube reactor during senior design project ➤ Key courses: • Stage Lighting Lab & Crew for Non-Majors (THPR-1018C) • Fundamentals and Applications of Solar Energy (MECH-5194) • Renewable Energy Systems (MECH-5031) • System Dynamics and Vibrations (MECH-3080) • Thermodynamics (MECH-2010) • Heat Transfer (MECH-4012) • Fluid Mechanics (MECH-3011)	University of Cincinnati (Cincinnati, OH)	2018

TEACHING

Laboratory Instructor and Teaching Assistant	Kent State University (Kent, OH)	2024 - Present
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COURSES TAUGHT AT KENT STATE UNIVERSITY (KENT, OH)

THEA-11723	Fundamentals of Production Laboratory I: Scenery	2024 - Present
THEA-51560	Theatre Fabrication Technology (Teaching Assistant)	2024

PROFESSIONAL DEVELOPMENT & CONFERENCE ATTENDANCE

Stage automation course during USITT conference	Instructors: John Miller & Loren Schreiber	2023
Wood turning and cabinet-making classes	Woodcraft of Cleveland	2021 - 2022
ANSYS Workbench Mechanical structural nonlinearities course (FEA 102)	SimuTech Group	2022
ANSYS Workbench Mechanical introductory course (FEA 101)	SimuTech Group	2021
Geometric dimensioning and tolerancing (GD&T) tolerance stack-up course	Inspect Engineering	2021
Advanced geometric dimensioning and tolerancing (GD&T) course	Inspect Engineering	2020
Fundamentals of geometric dimensioning and tolerancing (GD&T) course	Inspect Engineering	2019
Passed the Fundamentals of Engineering (FE) exam	National Council of Examiners for Engineering and Surveying (NCEES)	2019

United States Institute for Theatre Technology (USITT)

National conference attendance (attended both of the last 2 annual conferences) Columbus, Seattle	2024 - Present
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PROFESSIONAL ORGANIZATION MEMBERSHIPS

United States Institute for Theatre Technology (USITT) - National

2023 - Present

LEADERSHIP

Treasurer	Graduate Student Forum (GSF)	Kent State University (Kent, OH)	2023 - 2025
Section Leader	UC Bearcat Bands	University of Cincinnati (Cincinnati, OH)	2015 - 2018

AWARDS

Alpha Psi Omega (APO) Award for Outstanding Graduate Student Technician	Kent State University (Kent, OH)	2025
Alpha Psi Omega (APO) School of Theatre and Dance 2025 Banquet Award for Assistant Technical Direction of <i>The Wiz</i>	Kent State University (Kent, OH)	2025
Walter A. and Patricia C. France Memorial Scholarship	Kent State University (Kent, OH)	2024
Alpha Psi Omega (APO) Award for Outstanding Graduate Newcomer	Kent State University (Kent, OH)	2024
Winner of BroadwayWorld Cleveland's Best Scenic Design of a Play or Musical for scenic design of <i>Beauty and the Beast</i>	The Cassidy Theatre (Parma Heights, OH)	2023
Runner-up for BroadwayWorld Cleveland's Best Scenic Design of a Play or Musical for scenic design of <i>Rent</i>	The Cassidy Theatre (Parma Heights, OH)	2022

SOFTWARE PROFICIENCY & TECHNICAL SKILLS

Computer-aided drafting (CAD) in Vectorworks 2025, AutoCAD 2017, Revit 2017, SolidWorks 2013-14, Siemens NX 12, PTC Creo Parametric 5.0.4.0, Windchill 11.1, and ANSYS Workbench Mechanical 19.2

Computer numerical control (CNC) machining using ShopBot PRSalpha and V-Carve Pro

Adobe Photoshop 2025

Microsoft Office Suite

Stage automation (chain motors, magnetic releases)

Carpentry and associated materials, tools, and machinery

MIG welding

Coding in Visual Basic for Applications (VBA) and MATLAB 8.1.0.604

CONFERENCE PRESENTATIONS (1) - USITT (United States Institute for Theatre Technology)

Panel members for conference presentations at the annual National United States Institute for Theatre Technology (USITT) conference are selected either by jury or by invitation from a panel chair. Panels are juried by specific commissions within the organization.

“Care and Maintenance of Dance Floors”

Spring 2025

United States Institute for Theatre Technology (USITT)

2025 National Conference: Columbus, OH

Panel Presenter

CONFERENCE PRESENTATIONS (1) - OTHER EVENTS & LOCATIONS

“Creating a Budget for a Construction Project”

Spring 2024

2024 Graduate Student Symposium

Kent State University (Kent, OH)

Panel Creator & Presenter

THEATRE PRODUCTION (PROFESSIONAL)

TECHNICAL DIRECTION - OTHER'S DESIGNS (6)

Porthouse Theatre (Cuyahoga Falls, OH)

<i>School of Rock</i>	Technical Director	2025
<i>You're A Good Man, Charlie Brown</i>	Technical Director	2025
<i>Fiddler on the Roof</i>	Technical Director	2025
<i>Annie</i>	Assistant Technical Director	2024
<i>Nunsense</i>	Assistant Technical Director	2024
<i>Jesus Christ Superstar</i>	Assistant Technical Director	2024

TECHNICAL DIRECTION AND SCENIC DESIGN - OWN DESIGNS (20)

Nightmare On Merl Avenue (Lakewood, OH)

Yearly Halloween haunted attraction	Organization founder, Director, Technical Director, Scenic Designer, Props Master, Lighting Designer, Sound Designer, Costume Designer, and Publicity Manager	2009 - Present
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The Cassidy Theatre (Parma Heights, OH)

<i>Willy Wonka Kids</i>	Technical Director & Scenic Designer	2023
<i>Kinky Boots</i>	Technical Director & Scenic Designer	2023
<i>The Little Mermaid</i>	Technical Director, Scenic Designer, & Projections Designer	2023
<i>Beauty and the Beast</i>	Technical Director & Scenic Designer	2023
<i>Elf</i>	Technical Director, Scenic Designer, & Projections Designer	2022
<i>The Drowsy Chaperone</i>	Technical Director & Scenic Designer	2022
<i>The Downside</i>	Technical Director & Scenic Designer	2022
<i>Rent</i>	Technical Director & Scenic Designer	2022
<i>Sister Act</i>	Technical Director & Scenic Designer	2022
<i>Harvey</i>	Technical Director & Scenic Designer	2022

Christmas Around the World (Cleveland, OH)

Christmas event hosted by the Cleveland Browns, partnered with iFilm216	Technical Director & Scenic Designer	2023
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Valley Forge High School Drama Club (Parma Heights, OH)

<i>The Sound of Music</i>	Technical Director, Scenic Designer, & Stage Manager	2023
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Garfield Middle School Drama Club (Lakewood, OH)

<i>My Son Pinocchio Jr.</i>	Technical Director & Scenic Designer	2023
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French Creek Theatre (Sheffield, OH)

<i>Steel Magnolias</i>	Technical Director & Scenic Designer	2022
<i>The Haunting of Hill House</i>	Technical Director & Scenic Designer	2022
<i>Shrek Jr.</i>	Technical Director & Scenic Designer	2022
<i>Nightfall with Edgar Allan Poe</i>	Technical Director, Scenic Designer, & Props Master	2021
<i>Ordinary Days</i>	Technical Director & Scenic Designer	2021

Midview High School Drama Club (Grafton, OH)

<i>Beauty and the Beast</i>	Technical Director & Scenic Designer	2022
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SCENIC DESIGN ONLY (1)

Lakewood High School Barnstormers Drama Club (Lakewood, OH)

<i>Songs for a New World</i>	Scenic Designer	2022
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THEATRE & DANCE PRODUCTION (ACADEMIC)

TECHNICAL DIRECTION & SET CONSTRUCTION - OTHER'S DESIGNS (11)

<u>Kent State University (Kent, OH)</u>		
<i>Something Rotten!</i>	Technical Director	2026
<i>Cinderella</i>	Set construction	2025
<i>Kentucky</i>	Technical Director	2025
<i>Men on Boats</i>	Technical Director	2025
<i>The Wiz</i>	Assistant Technical Director	2025
<i>Pride & Prejudice - The Musical</i>	Technical Director	2024
<i>The Crucible</i>	Set construction	2024
<i>Everybody</i>	Set construction	2024
<i>Rent</i>	Set construction	2024
<i>Cabaret</i>	Set construction	2023
<i>Passage</i>	Set construction	2023

TECHNICAL DIRECTION FOR DANCE (2)

<u>Kent State University (Kent, OH)</u>		
<i>On the Cusp</i> (Spring Faculty Dance Concert)	Technical Director	2024
<i>One World</i> (Fall Faculty Dance Concert)	Technical Director	2023

ENGINEERING WORK EXPERIENCE

<u>BWX Technologies Cleveland, OH Product Engineer</u>	2018 - 2023
• Applied engineering fundamentals to create analyses concerning deviations to parts • Judged whether deviated parts should be accepted or discarded • Utilized PTC Creo Parametric and ANSYS Workbench Mechanical to create models, run simulations, and perform calculations • Performed revisions to physical and digital engineering drawings • Took classes on PTC Creo Parametric, Windchill, ANSYS Workbench Mechanical, Microsoft Excel, and Advanced Geometric Dimensioning and Tolerancing	
<u>Hixson - Architecture, Engineering, and Interiors Cincinnati, Ohio Engineering Intern</u>	2017
• 3D modeling using AutoCAD and Revit • Warehouse planning in plumbing and HVAC • Produced record drawings, updated existing models, and met with potential vendors	
<u>Procter and Gamble Cincinnati, Ohio Engineering Intern</u>	2015 - 2016
• Coding experience, created macros in Visual Basic for Applications (Excel) • Computer simulation of factory operations using Tecnomatix Plant Simulation • Assisted in making budget decisions based off simulation results	

REFERENCES

Available upon request