

Education:

University of Cincinnati College - Conservatory of Music (CCM)

Graduated April of 2022 *Magna Cum Laude* with a BFA in Technical Direction

Licenses and Certifications:

- Driver's License
- OSHA 10- General Industry
- Forklift Certified Operator
- US Passport
- Fall Protection Authorized Person
- Single Man Lift Certified Operator
- Scissor Lift Certified Operator
- First Aid/CPR/AED Trained

Skills:

- Autodesk Inventor
- Autodesk AutoCAD 2D + 3D
- Custom ilogic and LISP Writing
- Carpentry
- Load Testing
- Wiring and Schematic Drawing
- TAIT Navigator and IQ
- Stage Technologies eChameleon
- Static Structure Load Calculations
- 3D Printing and Modeling
- Welding (MIG)
- Automation System Inspections
- Autodesk Fusion 360
- PLC Programing with Allen-Bradley (Rockwell) RSLogix 500
- Pneumatics Plumbing and System Design
- Programming with Arduino
- Microsoft Office Suite
- Boom Lift Operation
- Faro 3D Scanning
- Rigging
- Electrical Control Theory
- Adobe Creative Cloud
- Troubleshooting Siemens Control Cabinets
- Creative Connors Spikemark
- CNC Operations with vCarve
- Soldering
- Basic Networking
- Furniture Design and Fabrication

Work Experience:

Principle Owner, Jacob Blumberg Technical Production LLC.

August 2026 – Present

- Transitioned Companies from AutoCAD to Inventor training staff and creating customized scripts and templates to optimize engineering department efficiency.
- Lead drafting projects for clients such as Head & PENN, Meta, Disney, Pink Box, Autodesk and more.
- Performed efficiency optimization for clients including how to utilize latest CAM software to reduce error, and speed up time getting parts out of CAD and onto the shop floor.

Senior Detailer, Steelhead Productions

August 2025 – July 2026

- Served as acting head of department
- Set up and implemented Autodesk Inventor to be used by detailing team.
- Wrote custom illogic and LISPs to improve drafting efficacy.
- Made construction drawings for trade show booths for clients such as Make-A-Wish, Aristocrat, Cox Automotive, Carfax, Beyond Meat, General Atomics, and many more.
- Lead detailers in the Philippines redlining drawings to meet client and company standards.
- Taught new building/ drafting techniques to detailing team to speed up fabrication times in the shop.
- Revamped detailing process to allow for drawings to come out of department quicker.

Senior Technical Designer, Production Resource Group (PRG)

Feb 2025 – August 2025

- Manage the design department for Scenic Technologies Las Vegas including redlining drawings, project assignments, schedule management and improving procedure process flows for stage shows, corporate events, and live experiences (Google, NVIDIA, F1, Warner Brothers, and more).
- Reduced average time from design to fabrication by 3 days.
- Lead a department restructuring initiative that is projected to save the department over \$120k/year in labor cost.
- Wrote custom illogic scripts to improve engineering to shop workflow.
- Taught engineering staff Autodesk Inventor.

Mechanical Designer, Entertainment Project Services

November 2022 – November 2024

- Served as lead designer and secondary in charge for nighttime spectacles, show action equipment, and guest experiences for clients such as Disney World, Universal Resorts, Royal Caribbean, and Meta.
- Managed software licensing and assist with IT related tasks for office success. Implemented new software solutions to dramatically decrease the annual cost of software subscriptions. Researched and executed a new VPN solution that allowed remote workers to work 18x faster than the previous system.
- Developed a new and faster method for collecting and categorizing data into EPS's hardware library. The old method took weeks, was fraught with inaccuracy, and led to delays due to wrong components being purchased. The new method takes only hours and is automated, which generates complete accuracy and eliminates ordering errors.
- Created a new employee onboarding process including documentation of company procedures, standards, and practices. These materials were later used by the entire design department as a guide and resource for creating high-quality production packets.

- Considered a reliable troubleshooter and collaborative colleague.

Seasonal Rigger, Enchant Christmas

October 2022 – November 2022

- Provided safe overhead lifting solutions for the installation of the world's largest Christmas light maze and village at Resorts World Las Vegas.

Rotational Automation Technician, Cirque du Soleil

March 2022 - August 2022

- Completed major gear replacement and various automation improvements for shows in Cirque's Las Vegas residential show division.
- Performed preventive and reactive maintenance of over 120 axes at *Michael Jackson One* for electrical and hydraulic systems.
- Ran the automation console for artist trainings.

Freelance 3D Printing and Modeling

August 2015 – March 2022

- 3D printing and modeling: *Hamilton*, US Navy, various doctors, inventors, hobbyists.

Level 1 Entertainment Tech (Automation and Carpentry), Busch Gardens

May 2021 - August 2021

- Designed and built an automation system for *Cirque Electric*.
- Completed various carpentry tasks to prepare for *Howl-O-Scream*.

Shop Assistant, CCM

August 2019 - May 2020

- Maintained tools in the CCM Scene Shop.
- Maintained CCM's four theater spaces.
- Led freshmen in the shop in building 10 shows a year.
- Assisted in the load-in and strike of every show.

Over-hire Carpenter, Welder, and Automation Tech, Round House Theatre

December 2019 - January 2020

- Performed carpentry, welding, and automation tech in the scene shop for *Spring Awakening*.

Fabricator and On-Site Liaison, Pink Monkey Solutions

May 2019 - August 2019

- Fabricated scenic pieces for events doing carpentry, painting and staining scenic pieces.
- Worked on site for various types of events doing custom installs, hanging lights, and rigging.
- Assisted in the loading of trucks going to site.

Show Responsibilities at CCM

August 2018 – April 2022

Technical Director; Assistant Technical Director; Master Carpenter; Automation Integration; Automation Operator; Automation Programming; Automation Troubleshooting and Repair;

Flyman; Welder; Rigger; Spot Op; Carpenter; Scenic Run Crew; Load-Ins and Strikes; Wigs, Make-Up, and Costume Run Crew

Carpenter, Design Foundry

June 2018 - August 2018

- Worked in fabrication, as well as loading in high-end events in Washington, DC.

Stagehand, I.M.P Concerts (9:30 Club, The Anthem)

June 2018 - July 2018

- Loaded in and out various concert tours.