

LEONID REGISTER

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DIRECTOR OF PRODUCTION | TECHNICAL THEATRE & PRODUCTION OPERATIONS

Production and technical operations leader with 13 years of progressive experience across theatre, complex fabrication, advanced manufacturing, permanent AV systems, and field installation. Has led multidisciplinary teams of 30+ staff and freelancers, held final authority on technical feasibility and execution strategy, and directed work from artistic concept through closeout. BFA-trained in Technical Direction with a consistent record of turning ambitious creative intent into safe, documented, and financially controlled production.

LEADERSHIP PROFILE

Production Planning | Department Leadership | Production and Project Budgets and Calendars | Creative Team Partnership | Design Review & Technical Feasibility | Union & Overhire Coordination | Staff Development | Safety & Risk Control | Procurement, Rentals, & Vendor Management | Production Meetings | Installs, Run of Shows, & Strikes

PROFESSIONAL EXPERIENCE

Technical Director | Creative Production & Operations | The Specialists LTD | Ridgewood, NY

2021-2026

Scope: Led cross-functional production across scenic fabrication, CNC operations, additive manufacturing, finishing work, graphics design and application, specialty integration, and field installations. Coordinated 30+ staff and freelancers, managed three technical leads, directed \$40K-\$500K projects, and supported more than \$8M in active work annually.

- Directed concurrent productions from creative handoff through scope, estimating, design review, production planning, staffing, fabrication, quality review, installation, and final delivery; held final technical sign-off and go/no-go authority on feasibility, safety, and execution strategy.
- Partnered with creative leads, project managers, engineers, clients, and department heads to preserve design intent within available budget, schedule, labor, and technical constraints; developed alternatives and made consequences visible before urgency became crisis.
- Built and maintained quoting, contingency, purchasing, work-order, issue-tracking, cost-control, and estimate-to-actual systems that improved budget visibility, margin protection, accountability, and alignment between commitments and production capacity.
- Managed and developed technical leads and large freelance cohorts; advised on hiring, workload allocation, contributor performance, conflict resolution, specialist staffing, and safe operating expectations.
- Led a 1,700 sq ft production and finishing expansion and a rental warehouse inventory layout overhaul while maintaining active work
- Completed multiple stamped engineering reviews of scenic elements with Clark Reder Engineering.

Technical Director (Concurrent with Above) | CNC Manufacturing & Production Systems | Center Support Services | Ridgewood, NY

2022-2026

Scope: Owned defined production programs for a proprietary patented product line while supporting EOS M 290 metal additive operations in the same facility.

- Built and ran sequential 2,000- and 5,000-unit CNC programs; owned programming, quoting, purchasing, staffing, QC, two-shift coordination, and final CEO reporting, completing both programs on schedule.
- Reduced a key lathe cycle from approximately 6.5 to 2.5 minutes per part - about a 62% reduction in cycle time - and designed a balanced machining cell that maintained approximately 85% active operator utilization.
- Trained six CNC operators, eight QC inspectors, two support personnel, and one backup supervisor; implemented inspection and rework controls that helped reduce overall failure from approximately 15% to 8%.
- Evaluated, justified, installed, commissioned, and trained process improvements including a parts catcher and FlexArm tapping system, reducing manual post-coating retapping time by an observed estimate of up to 70%.

SELECTED THEATRE PRODUCTION LEADERSHIP

Lead Carpenter | Weston Playhouse Theatre Company | Weston, VT

Summer 2018

- Led carpentry for a seven-production summer season across two venues, supporting transportable builds, load-ins, changeovers, maintenance, and strikes for works including West Side Story, Fun Home, Our Town, and Two Trains Running.
- Partnered with the Technical Director to commission a new offsite scene shop; planned electrical drops and installed compressed-air distribution, material racks, and a paint-shop sediment trap. Ensured process alignment across carpentry, paint, welding, assembly, and storage areas.

University of North Carolina School of the Arts | BFA in Technical Direction & Scenic Technology | Winston-Salem, NC

2013-2019

Technical Director - "Winter Dance 2019", Stevens Center for the Performing Arts | 2018-2019

- Led scenic and technical delivery of a four-work dance program from October planning through February strike, supervising a Flyman, Lead Carpenter, and four-person crew while coordinating faculty artistic leadership, design, production management, stage management, sound, lighting, accounting, venue, and house-labor collaborators.
- Planned and executed a stage package using 24 counterweight linesets, 10 half-ton chain motors, five house electrics, an apron pipe, eight 20-foot lighting towers, sprung flooring and Marley, projection, hard scenery, soft goods, custom drops, and stock inventory; faculty formally reviewed and approved rigging calculations and fly schedules.

- Scheduled crews and daily calls, led safety meetings, approved purchases, invoices, rentals, and vendor selections, coordinated an eight-person IATSE installation crew and production changeover, and delivered five performances on schedule and under budget for the materials and union labor.
- Developed and secured Dean-level approval for an additional \$9,639.30 in capital purchases through technical comparison, sole-source justification, and competitive vendor quotes; led full strike, expense, and postmortem reconciliation.

Assistant Technical Director - “Next to Normal”, Agnes de Mille Theatre | 2018

- Coordinated the Draftsman and Lead Carpenter across a 12-plus-person shop team delivering a two-story wood-and-steel scenic structure, hard portal, curved drop, custom orchestra-pit extension, and venue-specific rigging.
- Designed and calculated a 28-point rigging package, led installation, and conducted detailed venue surveys that prevented vertical-clearance conflicts and established accurate hardware, pulley-transfer, and trim-chain requirements before load-in.

Assistant Technical Director & Flyman - “Winter Dance 2018”, Stevens Center | 2018

- Directed stage-floor execution with a four-person crew across 25 counterweight linesets, 12 motor points, flown trusses and lighting ladders, eight wing towers, five intermission-moved towers, five house electrics, and installation of a full-stage sprung floor and Marley; created the lineset schedule and operated performance fly cues.

Drafter - “Ariadne auf Naxos” | Lead Carpenter - “Middletown” | 2017

- Produced 100+ AutoCAD 3D fabrication plates for “Ariadne auf Naxos”, including plans, sections, elevations, details, assemblies, and cut lists for 16-foot-plus rolling scenery, portals, and decking; incorporated TD, faculty, and shop-floor revisions through final fabrication.
- Led a three-person carpentry crew through fabrication, load-in, and strike for Middletown, establishing daily work plans and reports while overseeing seating risers, scenic flooring, rolling units, masking, and four large dead-hung drops.

Sound Engineering & Advance Carpentry | Long Lake Camp for the Arts | Long Lake, NY

Summer 2014

- Served as sole PAC sound engineer within a multi-venue summer season supporting 20+ overlapping productions; designed and mixed plays, musicals, concerts, and chamber events; individually miked 12-16 performers per show, managed 16 wireless channels, and executed daily and same-day changeovers.
- Created input lists, patch sheets, cue sheets, RF plans, and show files; commissioned X32 systems for the PAC and new 500-seat Cain's Playhouse, trained a secondary staff sound engineer, and supported framing, roofing, decking, lighting infrastructure, speaker installation, cabling, and venue activation.

ADDITIONAL PRODUCTION & TECHNICAL EXPERIENCE

Draftsman / Project Manager | John Creech Design & Production | New York, NY

2019-2020

- Managed custom event and fabrication projects from bid through delivery, producing proposals, construction drawings, bills of materials, labor and material estimates, procurement plans, schedules, and installation documentation. Completed one engineering review of a scenic element through McLaren Engineering.

Portable Campus Production Lead | Vintage Church | Raleigh, NC

2015-2016

- Supervised three rotating four-person teams for weekly truck-based deployment of audio, lighting, projection, and pipe-and-drape systems; created stage ground plans, focus and coverage documentation, standardized procedures, and detailed two-layer truck-pack drawings that reduced setup and strike time by approximately 30%.

Installation Specialist | PROVISION Audio Video Solutions | Raleigh, NC

2015-2016

- Joined a founder-led AV company during its move from a garage operation into retail and warehouse space; helped establish shelving, material flow, technical work areas, and inventory organization while building racks and installing permanent audio, video, projection, camera, DSP, network, and assisted-listening systems.
- Served as a core installer on projects from approximately 200-seat church plants to a roughly 1,000-seat sanctuary, operating boom and scissor lifts, installing loudspeakers, line arrays, subwoofers, PTZ cameras, displays, projectors, and screens, and supporting continuity testing, line checks, rack checkout, and commissioning.

CAPABILITIES, SYSTEMS, & CREDENTIALS

Operations

Operations and workflow design; cross-functional team leadership; process improvement and systems implementation; vendor strategy and procurement optimization; project management and production management; operations management.

Production Leadership

Production planning; production calendars; budgets and variance control; production meetings; resource allocation; change control; installation, strike, closeout, and postmortems.

Technical Theatre

Scenic construction; production drafting; design review; counterweight fly systems; chain motors; truss; rigging calculations; stage floors; masking and soft goods; sound, projection, RF, and permanent AV.

People, Labor & Safety

Crew scheduling; delegation through leads; hiring and overhire coordination; coaching and feedback; IATSE house coordination; safety meetings; work-at-height planning; equipment training; incident response.

Tools

AutoCAD 2D/3D; Fusion 360; Mastercam; Microsoft Office (Excel, Word, PowerPoint); Google Workspace; Dropbox; Monday.com; custom estimating, work-order, cost-tracking, and production-reporting systems.

Credentials

BFA Technical Direction, UNCSCA; OSHA 10; Aerial Lift Certified; Forklift Operator & Instructor; New York Driver License.