



CLIENT AND PROJECT ROSTER

(Partial Listing)

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*NOTE: Many projects mentioned here could not have been accomplished without the talents of dozens of managers, skilled engineers, technicians, and artists.
 These projects are a success due to teamwork and sheer willpower!*

Client	Project Span		Project	Location	Description	Involvement
	Start	End				
Technifex, Inc.	12/2016	-	Morehead Planetarium - Mycoto	Chapel Hill, NC	Solar System stylized hanging fiber optic sculpture, Armillary sculpture concepts	Design, 3D CAD and Drafting, Lead Mechanical Designer, Technical Direction
Technifex, Inc.	11/2016	12/2016	Annenberg Project - Pet Space	Playa Vista, CA	20-ft tall animatronic dog and cat interactives	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, Standards Adherence
Technifex, Inc.	05/2016	12/2016	Universal Studios, "Volcano Bay" water theme park	Orlando, FL	Multiple show elements and water-based effects for Universal Studios Water Theme Park.	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, Standards Adherence
Film Illusions, Inc.	04/2016	07/2016	Universal Studios, "The Walking Dead" live-action show	Hollywood, CA	Two zombieanimatronic figures; Bicycle Girl and Kneeling Eater.	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, Standards Adherence
Technifex, Inc.	03/2016	04/2016	Universal Studios, "The Walking Dead" live-action show	Hollywood, CA	Burning cabin structure housing multiple faux-fire effects	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, Standards Adherence
Technifex, Inc.	03/2016	04/2016	Shanghai Disney Resort	Shanghai, China	Galleon Telescopes - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	02/2016	04/2016	Universal Studios, Gamma Core Machine, Queue Area	Orlando, FL	Incredible Hulk ride queue area, Gamma Core machine and effects, incorporating a 32" plasma ball, eight 6" diameter 5-foot long plasma tubes within a custom structure that represented the Gamma Core device used by Dr. David Banner, the Hulk's alter-ego.	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, Standards Adherence
Technifex, Inc.	09/2015	10/2015	Shanghai Disney Resort	Shanghai, China	Flying Dutchman Ship's Wheel - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	09/2015	10/2015	Shanghai Disney Resort	Shanghai, China	Black Pearl Ship's Wheel - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	07/2015	09/2015	Shanghai Disney Resort	Shanghai, China	Swinging Lanterns - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	05/2015	10/2015	Shanghai Disney Resort	Shanghai, China	Fighting Crabs - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	05/2015	10/2015	Shanghai Disney Resort	Shanghai, China	9 Animated props - Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	03/2015	03/2015	Shanghai Disney Resort	Shanghai, China	Pirate Flag - Signal Flags - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	12/2014	02/2015	Shanghai Disney Resort	Shanghai, China	Talking Skull - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Spectral Motion, Inc.	11/2014	09/2015	Walt Disney World, Florida	WDW, Florida	Show-action equipment for refurbishment of Peter Pan's Flight showcase	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	08/2014	08/2014	Shanghai Disney Resort	Shanghai, China	Exploding Barrels - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	07/2014	09/2014	Shanghai Disney Resort	Shanghai, China	Treasure Chest Interactive - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	07/2014	07/2014	Shanghai Disney Resort	Shanghai, China	Bilge Barrels - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Miziker Entertainment, Inc.	05/2014	09/2014	Magic Theater, DD Phase	Macau, China	Multiple LED Panels and magic-illusionary stage elements. Vendor management	CAD Department Management, Mechanical Design, Technical Direction, Solidworks modeling and drafting
Technifex, Inc.	03/2014	06/2014	Shanghai Disney Resort	Shanghai, China	Recoil Cannons - Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
Technifex, Inc.	03/2014	08/2016	Shanghai Disney Resort	Shanghai, China	Animated props and show-action equipment for various land showcases, including Pirates of the Caribbean, Treasure Cove, Voyage to the Crystal Grotto	3D CAD and Drafting, Lead Mechanical Designer, Technical Direction, WDI Standards Adherence
PowTor, Inc.	02/2014	05/2014	Product development	Valencia, CA	Concept and functional development for product design	3D CAD, Mechanical Design, Materials Selection, R&D
Miziker Entertainment, Inc.	10/2013	01/2014	Magic Theater, Schematic Phase	Macau, China	Twenty-four mechanical illusions and facility interface	CAD Department Management, Mechanical Design, Technical Direction, Solidworks modeling and drafting
Resolution Design, Inc.	06/2013	01/2014	Shanghai Disney Resort - Fantasyland, Peter Pan's Flight	China	Technical Direction and design of Captain Hook's pirate ship, including modular construction (to facilitate shipping and installation), emergency contingency design and maintenance accomidation. Multiple show-set elements mechanical and technical design.	Technical Direction, Mechanical Design, CAD Direction, Fabrication Planning, Installation Planning
Lexington Scenery, Inc.	04/2013	06/2013	Harry Potter Venue	USF Orlando FL	Technical Direction of park-wide custom scenery and facades	Technical Direction, Mechanical Design, CAD Direction, Fabrication Planning, Installation Planning
The Riva Group	04/2013	04/2013	Bollywood Entertainment Park, Antakshari	Abu Dabi, UAE	An entertainment attraction themed upon the magic and splendor of the Bollywood movie history. Themed vignettes from Bollywood blockbuster productions create the atmosphere for each attraction. The Antakshari is a studio style group interactive where players are challenged to create on the spot sing-along and is an engaging team or theatre spot style attraction encouraging creativity and humour.	Facility exterior design and theming, concept development
The Riva Group	04/2013	04/2013	Bollywood Entertainment Park, Mughal E Azam	Abu Dabi, UAE	An entertainment attraction themed upon the magic and splendor of the Bollywood movie history. Themed vignettes from Bollywood blockbuster productions create the atmosphere for each attraction. The Mughal E Azam is an entertainment dining experience. Designed to replicate Emperor Jahangir's court. The entry to the attraction is via a grand and ornate darwaaza.	Facility exterior design and theming, concept development
The Riva Group	04/2013	04/2013	Bollywood Entertainment Park, Bollywood Wax Museum	Abu Dabi, UAE	Loosely based on Madame Tussaud's Wax Museum, the Bollywood Wax Museum celebrates the importance and contribution Bollywood has made to cinema. A list of Bollywood stars and personalities are brought closer to the guests than ever thought possible in 3D wax sculptures, 2D cut outs for photo opportunities and green screens where the interplay between guests and the movies are completely flawless.	Facility exterior design and theming, concept development
TechMDi	10/2012	06/2013	Park-wide custom control cabinets and enclosures	China	Designed specialty equipment control systems cabinets and enclosures park-wide	Mechanical design, Solidworks modeling and drafting
Thinkwell, Inc.	11/2012	02/2013	Ferrari Park	Abu Dabi, UAE	Ferrari Themed Amusement Park	Tasked with designing multiple concepts for Go-Kart track and facility infrastructure support. Designed various kiosks for displaying attraction information and taking rental information.
Thinkwell, Inc.	08/2012	11/2012	Monkey King Park and Resort	Huairou Hongluo Lake Area, China	Themed park based on the ancient Chinese legend of "The Monkey King"	3D modeling and visualization. Set design and logistical engineering, concept development
Walt Disney Imagineering	08/2010	03/2012	Shanghai Disney Resort	China	A fog geyser themed as a geo-thermal geyser. The fog expelled from the top is used as a video projection screen surface.	3D modeling and mechanical design and logistical engineering, concept development
Walt Disney Imagineering	08/2010	03/2012	Shanghai Disney Resort	China	High-pressure water geyser effects placed just under the water level of a water flume ride to enhance a dramatic narrative.	3D modeling and mechanical design and logistical engineering, concept development



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Walt Disney Imagineering	08/2010	03/2012	Shanghai Disney Resort	China	Nozzles for a Fountain water feature.	3D modeling and mechanical design and logistical engineering, concept development
Walt Disney Imagineering	04/2010	06/2012	Cars Land - Tail Light Cavern	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. Part of one of the rides, the Tail Light Cavern consists of a cavern with stalatites and stalagmites in the form of old-model automobile tail lights.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - Paint Spray Robot	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. A Paint Spray Robot from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Luigi'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Luigi', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Guido'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Guido', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Sally'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Sally', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Lightning McQueen'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Lightning McQueen', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Red'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Red', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Lizzie'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Lizzie', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Sarge'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Sarge', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Filmore'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Filmore', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Frank'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Frank', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Smoking Tractor'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Smoking Tractor', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Tipping Tractor'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Tipping Tractor', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Mater'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Mater', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Sheriff'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Sheriff', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Van'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Van', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, photometrics projection geometry, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Mini'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Mini', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	06/2012	Cars Land - 'Mack'	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. 'Mack', a character from the movie is transformed into an animatronic figure and show element.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
Walt Disney Imagineering	04/2010	10/2010	Cars Land - Original Spring	California Adventure, Anaheim, CA	Addition of themed 'land' to park renovation project. Radiator Springs town replica from the movie. This feature is a geo-thermal geyser themed to look like a automobile radiator erupting steam and water. Lighting effects.	Prototypical mechanical design and drafting, sight-line studies, installation logistics
LA Propint, Inc.	06/2009	10/2009	Universal Studios "Kong 3D" theater mock-up	Universal Studios, Hollywood/Florida	Tasked to develop new showcase for Kong venue	3D modeling, Mechanical design, concept development, sight-line studies
LA Propint, Inc.	10/2008	03/2010	Universal Studios SFX Theater	Universal Studios Singapore, Singapore, China	Show-action equipment for LAPP portion of SFX Theater	Engineering Design department management, 3D modeling and design, site and facility interface, shipping, installation and maintenance logistics
LA Propint, Inc.	09/2008	01/2010	WWII Museum "Beyond All Boarders" Theater	WWII Museum, New Orleans, Louisiana	Show-action equipment for Theater	Engineering Design department management, 3D modeling and design, site and facility interface, shipping, installation and maintenance logistics
SGB Enterprises, Inc.	03/2008	01/2010	Various avionic simulators	Valencia, CA	Reverse engineering of existing cockpit designs and configurations to creative realistic environment simulators for pilot training. 3-axis and 5-axis motion-bases	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
OTI, Inc.	01/2008	05/2010	Product Development	Valencia, CA	Product development, injection molded parts	3D CAD, Mechanical Design, Materials and R&D
Technifex, Inc.	11/2007	09/2008	HR Textron	Valencia, CA	Trade show traveling display. A stand-alone trade show display of a concept aircraft with articulating avionics; including flaps, bomb bay, and landing gear. Visitors are invited to learn more about features through a computer console and electro-luminescent indicators	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	10/2007	10/2008	Los Angeles County Fire Department Hazmat Training Facility		Design and development for one-of-a-kind, realistic environment training facility for LACO Fire Department Hazmat	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing



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SEGA GameWorks, Inc.	10/2006	01/2007	Glacier Bar Canopy	Las Vegas, NV	Concept and development of themed environment outdoor canopy for the Las Vegas Restaurant and Bar, incorporating lighting and water effects; Schematic Phase only	3D CAD, Mechanical Design, R&D, Technical Direction
Technifex, Inc.	08/2006	09/2008	PGAV/Blur Studios, Niagara Falls, Visitor Center Theater, "Niagara's Fury" Production	Niagara, CANADA	Design and development of immersive environment theater with multiple special effects, including audience motion base, wind, fog, snow, and water. Safety systems and emergency egress	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	03/2007	06/2007	Honda Motors Trade Show Feature	Valencia, CA	Trade show feature showcasing their new corporate jet. Employed full-six-axis hydraulic motion-base to simulate flight, and running lights	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	06/2006	12/2006	Pirate Queen Faux Fire		Design and development for faux fire systems integration into theatrical environment	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	06/2006	10/2006	Lighting Studio, Light Truck Lighting Crane	Valencia, CA	Research and design development to create a custom, articulating, mobile lighting boom for studio lighting contractor	Prototypical mechanical design and drafting
Technifex, Inc.	04/2006	01/2007	Kuhlman Design Group/ Meskwaki Casino, FauxFire Fountain		Research and design development to create one-of-a-kind fountains for this casino entrance, incorporating natural gas fire, water, pump system, safety systems, and lighting.	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	12/2005	08/2006	Kersner, Atlantis Phase III	Burmuda	Design and development of faux fire systems integration in Lazy River ride	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	11/2005	12/2006	Dakota Dunes Casino & Resort	Saskatchewan, CAN	Design and development of architectural integration of themed Water Walls and Fire Pylons	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	11/2005	01/2006	Island Systems/ Pachenga Casino	San Diego, CA	Design and development of unique fiber optic Chandelier for bar area	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	07/2005	11/2005	Ford Motors, RSC Motion bases		3-axis personal motion base using reciprocating electric servo-motors for trade show demonstration unit	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	11/2004	11/2006	Harrah's Casino, Masquerade Bar Multimedia Tower	New Orleans, Louisiana	One-of-kind, state-of-the art, high-tech multi-media tower for this awe-inspiring center-piece attraction. Used as a staging center-piece for exotic dance numbers, shows and presentations. This multi-media. Forty-foot-tall tower incorporates 360° video from 18 synchronized projectors and computerized LED lighting from within the acrylic conical tower and an external circular ring stage for dancers who perform within a curtain of FauxFire® "pyrotechnics". Design challenges included unique conical acrylic rear-projection photometrics, panels, system integration, facility interface, personnel safety, shipping and installation logistics	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	01/2004	ongoing as of 5/2007	Church of Scientology/ Superpowers Facility	Los Angeles, CA	Design and development for multiple highly-specialized features and training areas.	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	01/2004	11/2005	Noah's Ark Water Park, Rotating Room Motion base	Milwaukee, WI	Design and development for a 3-axis audience motion-base	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	10/2002	02/2004	Universal Studios, The Mummy Returns dark ride	Universal City, CA	Design and development for show-action equipment and fire effects. Included safety systems, facility interface, valve train and control enclosure design	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Technifex, Inc.	05/2002	11/2006	Audubon Insectarium	Audubon Museum, New Orleans, Louisiana	Design and development for special effects, effects-integrated seats for this 4-D theater	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Lester Creative, Inc.	03/2002	10/2004	Falls View Casino	Niagara, CANADA	Design and development of this Lester Creative-conceived special effects fountain for the lobby of Falls View Casino. Besides water effects, this fountain incorporated 360° video column, fiber optics, and state-of-the-art audio effects. Tasks included mechanical design, safety and maintenance systems, facility interface, video LED planning and design, fiber optic pattern design and integration, shipping and installation logistics	3D CAD, Mechanical Design, R&D, Technical Documentation and Technical Writing
Lester Creative, Inc.	01/2000	04/2002	Casino Rama Resort: Rotunda Theater	Rama, Ontario, Canada	The Chippewas of Mnjikaning First Nation, an aboriginal community north of Toronto, have turned to modern theatrical technology to showcase their ancient history and culture. Visitors to Casino Rama Resort in Rama, Ontario, Canada, are treated to an eight-minute multimedia show, designed and produced by Lester Creative, Inc., of Valencia, CA. Tasks included mechanical design, fiber optic system and integration design, facility interface, shipping and installation logistics	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Technifex, Inc.	09/1999	01/2000	Blackpool Pleasure Beach: Valhalla	Blackpool, England	VALHALLA is a high speed, thrilling waterborne dark ride with unique features, heavily themed and incorporating a host of multi-sensory elements. Riders experience over 6 minutes of sheer excitement as they travel through the darkened interior of VALHALLA. Many of the specially created 'show action' effects were never before used on amusement park rides. VALHALLA incorporates fire, water, snow, thunder and lightening effects, with riders experiencing extremes of temperature.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.



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Technifex, Inc.	08/1999	05/2000	PacBell Stadium/ Old Navy	San Francisco Giants Pac Bell Park – San Francisco, California	<p>“Rusty”, a twelve-foot-tall animated baseball player and four water cannons showcase the “Splash Landing” theme to the new Pac Bell Park, home of the San Francisco Giants baseball team. “Rusty” is fashioned after a turn-of-the-century toy but is in actuality a state-of-the-art animatronic figure capable of a dozen pre-programmed skits. After a stolen base, “Rusty” comes out and performs a mock run and slide along a 100-foot track mounted to the right field wall. A home run might prompt “Rusty” to come out of his brick-camouflaged shed and perform a moon walk or a Johnny-be-good air guitar performance. “Rusty” is fully articulated with even a changing glove, depending upon whether he is fielding or up to bat.</p> <p>The water cannons accentuate home runs or other significant events during the game. Volumes of water are ejected out the tops of the cannon towers in a focused stream, which at night are further enhance by intense colored lights, creating a fireworks type of light show with the magnificent San Francisco bay as a backdrop.</p> <p>Tasks included mechanical design, water systems and effects, safety and maintenance systems, facility interface, shipping and installation logistics.</p>	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Technifex, Inc.	08/1999	11/1999	Technifex Trade Show Booth	Technifex Internal Project – IAAPA Trade Show Convention	<p>Designed by Technifex, their booth won “Best Booth” at the 1999 IAAPA trade show. Air’n Art Design took the preliminary concept and developed it into a feasible, buildable design. This modular booth is all aluminum construction and even has a second-story conference area with a gracefully spiraling staircase.</p> <p>Tasks included mechanical design, assembly/dis-assembly, shipping and installation logistics</p>	Concept development, CAD design and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Technifex, Inc.	05/1999	04/2000	Queen Mary “Ghosts and Legends”	Queen Mary – Long Beach Harbor, California	<p>Capitolizing on the many reported hauntings and mysterious events surrounding the Queen Mary ship, Technifex created multiple “shows” of special effects in various locations throughout the ship.</p> <p>Tasks included mechanical and special effects design, safety and maintenance systems, emergency egress considerations, facility interface, shipping and installation logistics.</p>	Documentation, information systems management, technical writing, graphic art, desktop publishing.
Technifex, Inc.	08/1998	11/1999	“TITANIC: The Experience”	Fox Studios - Sydney, Australia	<p>Fox Studios Australia is home to the world’s only Titanic experience, a unique journey of more than 20 minutes in which the visitor becomes a film extra – and is part of one of the greatest productions of all time. A recreation of the final moments of James Cameron’s epic film, Titanic – The</p>	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	08/1998	06/1994	Caesar’s Palace Atlantis	Caesar’s Palace - Las Vegas, Nevada	<p>Design and development of entire show which included 18 Christie projectors, animated figure lifts, natural gas fire effects, fiber optics, practical and special effects lighting, 50,000 gallon salt-water aquarium housing 300 fish along with complete underground support and maintenance facility. Tasks included mechanical design, facility interface, on-site installation support, control and maintenance systems, shipping and installation logistics</p>	3D CAD modeling, mechanical design, concept, design, and fabrication phase support, Concept development, research and development, vendor integration, management and bid support.
Hydrotechnology, Inc.	04/1997	06/1997	Hydrotech “Sparkling Fresh” Water Purifier/Dispenser	Hydrotechnology, Inc. - Santa Clarita, California	<p>The “Sparkling Fresh” project, for Hydrotechnology, Inc., involved the creation of a logo and an image for use on the Sparkling Fresh water dispensers located throughout the Los Angeles area.</p>	Logo Development, Concept Design and Art Direction.
Lester Creative, Inc	01/1997	03/1997	GM / E. P. C. O. T.	Walt Disney Productions, E. P. C. O. T. - Orlando, Florida	<p>For Lester Creative; Concept Phase Only. General Motors/Walt Disney Productions add-on to the Transportation Pavilion showcase.</p>	For Lester Creative; Mechanical Design support, concept development, research and development.
Lester Creative, Inc	12/1996	01/1997	Raging Waters, Hydra	Raging Waters - San Dimas, California	<p>For Lester Creative; Concept Phase Only. Add-on spectacle of a giant monster figure (static) incorporated into a water ride attractions’ loading platform.</p>	For Lester Creative; Mechanical Design support, concept development, research and development.
Lester Creative, Inc	03/1996	02/1997	MGM Grand Hotel/Casino, Entrance Refurbishment	MGM Grand - Las Vegas, Nevada	<p>Assisting Lester Creative, Air’n Art Designs helped to create the internal structure for the showcase lion statue as well as many facility/show related elements.</p>	For Lester Creative; Mechanical Design support, concept development, research and development.
Creative Presentations, Inc.	10/1995	12/1995	Lockheed-Martin/Illusion IRAD Military Simulator	Illusion Inc.	<p>Prototypical Reconfigurable Distributed Simulation Gateway (REDSIG). Transformational military simulator. Designed to be a mobile, configurable unit. Capable of becoming a number of desired military vehicles. Kits included Ground Vehicle Attack Gunner (Tank), Rotary Wing Attack Pilot (Helicopter).</p>	Concept and design, Project Mechanical Engineer.
Creative Presentations, Inc.	06/1995	12/1995	Backyard Monsters II: The World of Insects	Creative Presentations, Inc. - Santa Clarita, California	<p>Thirteen educational interactives for the touring museum exhibit.</p>	Project designer, concept development, research and development.
Creative Presentations, Inc.	03/1995	11/1995	Lotte Haunted Castle/Sky Plaza	Lotte World/Battaglia Inc. - Seoul, Korea	<p>Sixty-five fully animated figures and props for the Lotte World theme park dark-ride.</p>	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Lester Creative, Inc	02/1995	08/1996	Knotts Berry Farm, Mystery Lodge theater	Anaheim, CA	<p>Assisting Lester Creative, Air’n Art Designs helped to create the internal structure for the showcase statue as well as many facility/show related elements.</p>	For Lester Creative; Mechanical Design support, concept development, research and development.
Creative Presentations, Inc.	08/1994	04/1995	Backyard Monsters II: The World of Insects	Company Sponsored Animatronic Touring Museum Exhibit	<p>Four giant, fully articulated, anatomically correct insect showcase (Tarantula spider, Caterpillar, Fighting Beetles, Wasp) and educational interactives. This sequel to the original world-touring exhibit was created following urging by museums enthusiastic for more high-quality animatronic giant insects.</p>	Concept development, CAD designed mechanisms, Interactive elements design, documentation, information systems management, technical writing, graphic art, desktop publishing.
Lester Creative, Inc	06/1994	04/1997	Forum Shops Expansion, Caesar’s Palace Atlantis	Caesar’s Palace - Las Vegas, Nevada		For Lester Creative; Mechanical Design support, concept development, research and development.
Creative Presentations, Inc.	06/1994	12/1994	Treasure Bay	Treasure Bay Hotel/Casino - Biloxi and Tunica, Mississippi	<p>A passel of pirates, wenches, parrots and props were designed and built for this fun-loving “dark-ride.”</p>	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	06/1994	07/1994	Patrick The Crash Test Dummy	Volvo Motor Works - Stockholm, Sweden	<p>This fun project involved the creation of a “spokes-person” for the automotive manufacturer that would be used in trade shows and various other engagements.</p>	Concept development, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	05/1994	08/1994	Hanging Tree	Primadonna Hotel/Whiskey Pete’s Casino - Stateline, Nevada	<p>Four guest interaction figures and a thirty-eight-foot-tall tree superstructure. These figures, located in a casino lounge, would sing and play music until a guest hit a jackpot and they would wise-crack and cajole the guest.</p>	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.



CLIENT AND PROJECT ROSTER

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	Start	End				
Creative Presentations, Inc.	05/1994	07/1994	Creatures That Never Were: An Age of Innocence	Company Sponsored Animatronic Touring Museum Exhibit	Four fully articulated creature (Unicorn, dragon, Griffin, mermaid) showcases and educational interactives.	Concept development, content research and development, CAD designed mechanisms, documentation, information systems management, graphic art, desktop publishing.
Creative Presentations, Inc.	05/1994	07/1994	Dawn of the Human Spirit: The Neanderthal/Cro-Magnon Experience	Company Sponsored Animatronic Touring Museum Exhibit	Four fully articulated dioramas depicting scenes of Mans' early existence as well as educational interactives.	Concept development, content research and development, CAD designed mechanisms, documentation, information systems management, graphic art, desktop publishing.
Creative Presentations, Inc.	04/1994	07/1994	Merlin Dragon	MGM Grand Hotel/Casino - Las Vegas, Nevada	This twenty-foot tall, thirty five-foot wing spanned, fire spewing dragon carries a live actor on it's head during the show. It incorporated state-of-the-art computer controlled compliance systems.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	11/1993	02/1994	Grand Slam Canyon Dinosaurs	Circus Circus Hotel/Casino - Las Vegas, Nevada	Twelve fully articulated, full sized, animatronic dinosaurs for their amusement park showcase.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	07/1993	04/1994	Jurassic Park Entertainment Center/Theme Park	Universal Studios Tour - Los Angeles, California	Facilitated concept phase design	Concept phase design support, Concept development, Bid Support.
Creative Presentations, Inc.	05/1993	06/1993	Terminator 2	Universal Studios Tour - Los Angeles, California	Facilitated concept phase design	Concept phase design support, Concept development, bid support.
Creative Presentations, Inc.	04/1993	12/1993	The Last Dinosaur Kingdom	Fuji Television - Tokyo, Japan	Two of five full size, museum-quality animatronic dinosaurs.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	01/1993	05/1993	Gardaland	Gardaland - Lake Garda, Italy	Showcase for this theme park included a 14' giant squid, and various pirate figures.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Lester Creative, Inc.	02/1993	05/1994	Mystery Lodge	Knott's Berry Farm, Anaheim, CA	American Indian motifed feature incorporating specialized flying projection screens	Worked with Lester Creative for BRC Imagination Arts. CAD design and drafting.
Creative Presentations, Inc.	08/1992	12/1992	Backyard Monsters: The World of Insects	Company-Sponsored Animatronic Touring Museum Exhibit	Four giant, fully articulated, anatomically correct insect showcase (Praying Mantis, Unicorn Beetle, Emperor Scorpion, Black Widow Spider) and educational interactives. This world-touring exhibit gained critical acclaim from entomologists for it's anatomical accuracy and detail.	Concept development, CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	05/1992	09/1992	Caesar's Palace Festival Fountain	Caesar's Palace - Las Vegas, Nevada	Four, fully articulated mythical figures (Bacchus, Apollo, Venus, etc.) which appear to be marble statues mounted on a fully functional rotating fountain, that suddenly "come to life" and entertain passersby with song, humor and wit.	Concept development, CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	02/1992	06/1992	Fantastic Odyssey	Soul, Korea	This dancing water opera included special optical and aquatic effects which required special design consideration for submerged and semi-submerged devices and effects.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	12/1991	03/1992	Knotts Camp Snoopy: Timber Mountain	Knotts Camp Snoopy - St. Paul, Minnesota	Eighteen-foot-tall Paul Bunyan and his thirteen-foot-tall Blue Ox, Babe, highlighted this attraction along with various other human and animal figures.	Concept development, CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	07/1991	12/1991	Gigantopythicus: Giant Ape	Phantasieland - Berlin, Germany	A nine-foot tall, fully articulated animatronic creature that might resemble a Yeti, or "Big-foot."	CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	04/1991	08/1991	Werewolf	Wisconsin	An animatronic fantasy figure used in mall displays.	Documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	01/1991	06/1991	Fantasy Dreams	Hawpar Villa - Singapore, China	Figures included a twenty-foot-tall, waist to head, fully articulated genie. Twelve-foot-tall sunflowers and assorted dancing lollipops.	Documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	08/1990	12/1990	Puro Boat Ride / Fairyland	Sanrio Company - Tokyo, Japan	Dozens of animatronic fantasy creatures that put Disney's "Small World" to shame.	CAD designed mechanisms and fabrication, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	07/1990	11/1991	Hawpar Villa	Hawpar Villa - Singapore, China	Two hundred various figures from one-foot to ten-feet tall.	Documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	06/1990	05/1991	Universal Studios' E.T. Adventure	Universal Studios Tour - Orlando, Florida/ Los Angeles, California	Complete "dark-ride" show, with over twenty various figures, lifts and props.	CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing.
Creative Presentations, Inc.	06/1990	12/1990	Tyrannosaurus Rex	Knotts Berry Farm - Anaheim, California	A twelve-foot-tall animated dinosaur for their theme park attraction.	CAD designed mechanisms and engineering, documentation, information systems management, technical writing, graphic art, desktop publishing.
Sequoia Creative	10/1989	04/1990	Giants of the Deep	Pacific Science Center - Seattle, Washington	Four life-sized animatronic whales which included a swimming Sperm whale, Narwhal and Orca ("Killer") whale. A Gray whale spy-hopping through an ice flow and a Humpback whale rolling over and fin flapping. All swimming motions were designed and programmed using hours of research and observation of real whale swimming patterns.	Concept development, CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing and programming of their lifelike motions.
Sequoia Creative	02/1989	07/1989	Catastrophe Canyon	Walt Disney Studios Tour - Orlando, Florida	Dramatic scenario of an earthquake induced flood and fire. Specialized props were designed to simulate and portray realistic events (tanker truck overturning, water tower eruption, power line collapse with sparks and flame.) that interact with live actors and stunt persons.	Concept development, CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing.
Sequoia Creative	11/1987	03/1989	King Kong	Universal Studios Tour - Orlando, Florida	These famous forty-foot tall simians are known the world over for their awesome appearance and realism (such as real bad breath, generated by a scent cannon using banana extract and ammonia). One giant ape hangs off of a bridge pylon while another terrorizes the tour vehicle.	Concept development, CAD designed mechanisms, documentation, information systems management, technical writing, graphic art, desktop publishing.
Sequoia Creative	10/1988	12/1988	Pollution Monster: "Time Tunnel"	Le Nouveau Mondes des Schtrompfs - Metz, France	"Pollutie", as he later became known, was a star attraction in this animatronic/live action "opera" where the "product of evil pollution" (composed of old car parts, sewage waste, various pieces of scrap form a gigantic humanoid skull ten-feet in diameter with pointed metal chomping teeth) battles the champion of man with laser-like pyro-techniques and smoke.	Concept development, CAD designed mechanisms, fabrication, documentation, information systems management, graphic art.
Stan Winston Studios	10/1988	12/1988	Leviathan Creature/Deep Sea Suit	"Leviathan" movie effects	Animatronic creature effects and high-tech deep sea suit props for the making of the film.	Production logistics and schedules, design and fabrication.
Alchemy II	03/1988	09/1988	"Short Circuit 2"	"Short Circuit 2" movie effects	Fully animated radio-controlled movie props, and miniature models.	Design concept, prototype development, department management, budgets and schedules.
Stan Winston Studios	01/1988	03/1988	"Pumpkin Head" Creature Effects	"Pumpkin Head" movie Creature Effects	Animatronic creature effects, props for the making of the film.	Production logistics and schedules, design and fabrication.



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Sequoia Creative	09/1987	11/1987	Sky Dragon: "Planet Septon"	Shibuya Entertainment Complex - Shibuya, Japan	Animated beasts for interactive laser tag game.	Concept development, CAD designed mechanisms, fabrication, documentation, information systems management, graphic art.
Alchemy II	01/1987	06/1987	"E.T." and "Star Trek"	Universal Studios Tour - Los Angeles, California	Tour figure prototypes and props.	Design concept, prototype development, department management, budgets and schedules.
Alchemy II	10/1986	02/1988	High-tech Toys	Prototype development	Animatronic high-tech children's toy that employed double-track (stereo) audio cassette to manipulate analog animation control and audio sound track. The resulting products were "Teddy Ruxpin", "Grubby", "Mother Goose" and "Hector", "Baby Teddy Ruxpin" and "Baby Muppets" applying the same technique.	Design concept, prototype development, department management, budgets and schedules.
Alchemy II	10/1986	07/1987	"Walk-a-Round" costumes	Company promotions	Animatronic integrated "Walk-a-Round" costumes for trade shows and promotions. Incorporated remote radio controlled facial and audio system.	Design concept, prototype development, department management, budgets and schedules.
Alchemy II	10/1986	11/1986	"Aris Turtle"	"Value Tales" TV series - Vancouver, Canada	Animated figure, set miniatures and props for "Value Tales" TV show.	Design concept, prototype development, department management, budgets and schedules.
N.C.B. Entertainment	01/1985	09/1986	Children's programs video promotions	Hasbro, Mattel, Rankin/Bass, Filmation, Family Home Entertainment	Videocassette advertising and promotions.	Art director, packaging designer, point of purchase display design, trade show booth design, production artist, client coordinator, graphic artist, camera technician, photographic artist, computerized image manipulation, information systems management.
N.C.B. Entertainment	01/1985	09/1986	General audience programs video promotions	Sibyl Danning, Elvira Mistress of the Dark, Thriller Video, U.S.A. Home Video	Videocassette advertising and promotions.	Art director, packaging designer, point of purchase display design, trade show booth design, production artist, client coordinator, graphic artist, camera technician, photographic artist, computerized image manipulation, information systems management.
N.C.B. Entertainment	01/1985	09/1986	Adult audience programs video promotions	Electric Blue, Swedish Erotica, Caballero Home Video	Videocassette advertising and promotions.	Art director, packaging designer, point of purchase display design, trade show booth design, production artist, client coordinator, graphic artist, camera technician, photographic artist, computerized image manipulation, information systems management.
Stan Winston Studios	07/1982	10/1983	Terminator	"Terminator" movie effects	Animatronic creature effects and high-tech robotic props for the making of the film.	Production logistics and schedules, design and fabrication.
Walt Disney Productions	01/1980	12/1983	"It's a Small World"	Theme park attraction - Tokyo Bay, Japan/Orlando, Florida (E.P.C.O.T.)/ Anaheim, California	Various figures and props in this popular showcase.	Animatronics fabricator.
Walt Disney Productions	01/1980	12/1983	"Pirates of the Caribbean"	Theme park attraction - Tokyo Bay, Japan/Orlando, Florida (E.P.C.O.T.)/ Anaheim, California	Various figures and props in this popular showcase.	Animatronics fabricator.
Walt Disney Productions	01/1980	12/1983	"Jungle Cruise"	Theme park attraction - Tokyo Bay, Japan/Anaheim, California	Several dozen elephants, alligators, pigmies, gazelles, horses, figures and props in this popular showcase.	Animatronics fabricator.
Walt Disney Productions	01/1980	12/1983	"Imagination" Pavilion	Theme park attraction - Orlando, Florida (E.P.C.O.T.)	Various figures and props in this new showcase.	Animatronics fabricator.
Walt Disney Productions	01/1980	12/1983	"Transportation" Pavilion	Theme park attraction - Orlando, Florida (E.P.C.O.T.)	Various figures and props in this new showcase.	Animatronics fabricator.
Dittos Incorporated	03/1978	11/1979	Fancy Pockets	Women's apparel, jeans	Designed ornate, symmetrical patterns to be stitched on the rear pockets of women's jeans.	Designer
Dittos Incorporated	03/1978	11/1979	Fancy Sweaters	Women's apparel, sweaters	Designed color and pattern coordination for fall line sweaters.	Designer