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- **Show System (Audio, Video, Show Control) Design, Production, Installation & Commissioning**
  - **Technical Support for Storytelling, Performance and Creative Process**
  - **AutoCad, NION, CobraNet, Alcorn McBride, Medialon, BSS London, SMAART, EASE, Pro Tools**
  - **Acoustical and Audio Testing**
  - **Themed Attractions - Facility and Vehicle Show Systems**
  - **Worship, Performance, Educational, Boardroom Spaces**
  - **Project & Installation Management**
  - **Sound Design - Film, Video & Attraction**
  - **Field and Studio Recording**

## PROFESSIONAL HISTORY

**Owner, Kuma Sonics**, 3/02-Present. Providing show system engineering and sound design services for themed entertainment projects worldwide.

### SAMPLE PROJECTS:

**Legoland Malaysia (Johor, Malaysia)**, *AV Engineer*, Show Systems Design Development for Edwards Technologies, Inc.

**Fountains, Galaxy Casino (Macau, PRC)**, *Show Systems Engineer*, Systems Design for It's Alive Co.

**Hatch Festival Asheville (Asheville, NC)**, *Technical Director, 2008 - present*, Event Show Systems Design, Procurement and Management.

**Harmonia (Lower Music World), Everland (Seoul, ROK)**, *AV Engineer*, Schematic Design for It's Alive Co.

**Various Attractions, Universal Studios Singapore**, *AV Engineer*, Schematic Design for It's Alive Co.

**Lotte World Adventures of Sindbad (Seoul, ROK)**, *AV Engineer, Sound Designer & Site Engineer* for Artistry Entertainment International.

**SM Science Center (Manila, Philippines)**, *AV Engineer*, for Artistry Entertainment International.

**Isle of Capri - Coventry (Coventry, UK)**, *Show Systems Engineer*, for Edwards Technologies, Inc.

**Battle Stations 21 (Great Lakes, IL)**, *Audio System Programmer*, for Edwards Technologies, Inc.

**Mystery Mine, Dollywood (Pigeon Forge, TN)**, *Audio System Engineer/Programmer, Show Control Programmer*, for Edwards Technologies, Inc.

**Abraham Lincoln Presidential Museum (Springfield, IL)**, *Site Manager/Audio System Programmer*, for Edwards Technologies, Inc.



## PROFESSIONAL HISTORY

Owner, Kuma Sonics

### SAMPLE PROJECTS (CONTINUED):

Revenge of the Mummy, Universal Studios Hollywood (Los Angeles, CA), Site Manager/Programmer, for Edwards Technologies, Inc.

Bacardi Visitor Center (Cataño, Puerto Rico), Site Manager, for Edwards Technologies, Inc.

Legoland Deutschland (Günzburg, Germany), Site Manager, Programmer & Commissioning Engineer, for Edwards Technologies, Inc.

Senior Audio/Video Engineer, Walt Disney Imagineering, Glendale, California, 7/98 – 8/01.

Audio/Video Engineer, Walt Disney Imagineering, Glendale, California, 2/96 – 7/98.

Designed, supported production, and/or managed installation of audio and video systems for Walt Disney theme park rides and attractions including: GM Test Track; Universe of Energy (Rehab); Countdown to Extinction; Boneyard Playfield (Walt Disney World, Florida); Indiana Jones Adventure – Temple of the Crystal Skull; Stormrider; 20,000 Leagues Under the Sea; Aquatopia; Port Discovery (Tokyo DisneySea, Japan). Developed systems in support of creative concepts. Relocated to Japan for 15-month installation of Tokyo DisneySea theme park.

Adjunct Faculty, Webster University, Department of Media Communications, Webster Groves, Missouri, 8/95 – 2/96.

Developed lesson plan for and taught undergraduate level audio production class.

Owner, Bear Communication, St. Louis, Missouri, 6/93 – 2/96.

Designed sound reinforcement systems; provided acoustical consulting services; performed as live mixer, recording engineer and producer; produced St. Louis Soundscapes (local environmental recording project).

Acoustical Engineer, Engineering Dynamics International, St. Louis, Missouri, 6/90 – 6/93.

Designed audio/video systems for conference, educational, worship and performance spaces; performed acoustical/noise testing and analysis; developed cost-effective treatment solutions.

## EDUCATION

Candidate, Master in Media Communications, Webster University, St. Louis, Missouri, (Audio Production emphasis under Barry Hufker and Bill Porter).

Bachelor of Science in Engineering (Electrical Engineering), Tulane University, New Orleans, Louisiana, 12/88.

## PUBLICATION

“**Build Your Own Trap Can**”, EQ Magazine, 2/95 – Inexpensive bass trap construction, with Barry Hufker.