

- Summary** Mechanical engineering since 1984. 3D modeling, animation, and multimedia since 1997. Specific strengths include 3D modeling and animation, Flash/Director development, CD/DVD authoring, video editing, and post production/compositing.
- Objective** Position utilizing my engineering, 3D modeling/animation, and multimedia skills for design, concept development, technical visualization, sales/marketing and training.
- Software Proficiency**
3D Modeling/Animation – Autodesk Maya, Luxology Modo, Newtek Lightwave, Autodesk MotionBuilder, Pixologic Zbrush, Maxwell Render, Pixar Renderman for Maya
HTML/Flash – Macromedia Homesite, Adobe Flash
CD/DVD Authoring – Adobe Director, Adobe Encore, Sonic ReelDVD
Graphics/Textures – Adobe Photoshop, Adobe Illustrator
Video Editing/Post Production/Compositing – Adobe Premiere, Adobe After Effects
Sound Editing – Adobe Audition
Other 3D Software Used: Autodesk 3D Studio Max
CAD – AutoCad, Microstation, Integraph Engineering Modeling System
Programming – Microsoft Visual Studio Express/SQL Server Express
- Experience**
- A&B GRAF/X** Madison, AL 3/97-Present
Owner/3D Artist/Multimedia Specialist
- Provides freelance multimedia services including animation, 3D modeling, 2D graphics, CD/DVD authoring, and video editing/post production for marketing, training and technical visualization.
- Control Graphics Solutions** Indianapolis, IN 11/07-Present
Contract 3D/2D Control Graphics Lead/Developer
- Responsible for producing 3D/2d control graphics and animations for the controls industry. Develop process automation using Visual Basic.
- Punctual Abstract Co., Inc.** Harvey, LA 6/07-Present
Contract IT Administrator
- Responsible for IT administration and computer repair/trouble-shooting
 - Responsible for development of a “paperless document routing system” using Microsoft Visual Studio Express/SQL Server Express, TargetFax and other web-based applications.
 - Responsible for developing applications to increase productivity
- Studio 125 Productions, Inc.** Hartselle, AL 1/07-5/07
Lead Technical Director
- Responsible for character/prop modeling, character rigging and technical management.

Experience
(continued)

TELEDYNE BROWN ENGINEERING Huntsville, AL 1/01-4/06
Multimedia Specialist/Senior Systems Engineer

- Project lead for the Mercedes-Benz Onboard Diagnostics web-based training course project.
- Developed content for web sites, kiosks and interactive training courses.
- Assisted in multimedia CD/DVD development/authoring using Macromedia Director and Sonic ReelDVD
- Developed 3D models/animation using Alias Maya and 3D Studio Max.
- Produced product videos/animations for marketing, trade shows and NASA training and presentations.
- Security Clearance: SECRET (inactive)

THE BOEING COMPANY Huntsville, AL 1/99-12/00
Senior Project Engineer – National Missile Defense

- Established and lead procurement program for launch silos and support equipment for three (3) test sites.
- Assisted in project engineering which included overseeing nineteen (19) design subcontractor and hardware vendors.
- Security Clearance: SECRET (inactive)

MORRISON KNUDSEN CORPORATION Decatur, AL 1/98-12/98
Senior Mechanical Engineer

- Responsible for the scoping/design/installation of facilities modifications and safety upgrades for the 3M Film Plant in Decatur, AL.
- Developed detailed drawings using AutoCAD R14.

THE BOEING COMPANY Huntsville, AL 3/88-12/97
Senior Specialist/Design Engineer – International Space Station

- Assisted in the design of the Temperature and Humidity Control (THC) System for Space Station ECLSS.
- Developed 3D models to aid in packaging, design, manufacturing and maintenance demonstration for THC racks using Intergraph EMS CAD.
- Developed detailed design/drawings of mechanical parts for rack per DOD-STD-100 and ANSI Y14.5M.
- Coordinated design and production activities with vendors.

WALK, HAYDEL & ASSOCIATES, INC. New Orleans, LA 8/84 - 3/88
Mechanical Design Engineer

- Designed heating, ventilating, and air conditioning (HVAC), plumbing and sprinkler systems for various types of commercial and government buildings.

Education

BS, Mechanical Engineering, University of New Orleans, New Orleans, LA, May 1984; Other coursework: 3D Studio Max (CGI 120 & 130), Virginia College, Huntsville, AL 2000/2001

Professional Organizations

Member of the Association of Computing Machinery (ACM SIGGRAPH)
Treasurer - North Alabama 3D Users Group (www.na3d.org) 2001-2002,
President/Forum Admin - North Alabama 3D Users Group 2003-2007

Certification

Registered Professional Engineer, Alabama (inactive).

Hobbies

Computer troubleshooting/repair, building/upgrading PC systems, digital photography, remote control aircraft.

References

Available upon request.