

- 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, post production/compositing and project management.
- 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  
*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](http://www.na3d.org)) 2001-2002,  
President/Forum Admin - North Alabama 3D Users Group 2003-2007

**Certification**

Registered Professional Engineer, Alabama (inactive).

**Hobbies**

Digital photography, remote control aircraft, computer troubleshooting/repair and building/upgrading PC systems.

**References**

Available upon request.