

Award winning, highly creative CGI artist and teacher with a history of contributing to some of film's most memorable and iconic visual effects shots for directors including George Lucas, Steven Spielberg, and Michael Bay. Specialization in CG Cinematography and interactive lighting, with additional expertise creating particle simulations. An outstanding communicator, capable of building and leading elite cross-functional teams, cultivating strong relationships with clients, students, and external partners, and collaborating across all organizational levels to ensure the achievement of immediate and long-term goals. **Reels:** www.WizardsofHollywood.com

Areas of Expertise include:

Professional:

- CG Cinematography & Lighting
- Particle Simulation
- Compositing & Surfacing

Educational:

- CGI Techniques
- History of Computer Graphics
- Portfolios & Demo Reels

Technical Proficiencies:

- Maya / Mental Ray / Arnold
- Photoshop / Illustrator / After Effects
- Premiere Pro

Professional Experience

edk / 3d • Denver, CO • 2006 to Present

Freelance Computer Graphics Artist / Supervisor

Opened freelance company after 12 years as Senior Technical Director and Sequence Supervisor for Industrial Light & Magic, providing CGI services to clients including the STARZ network, Lockheed-Martin, and the Discovery Channel.

Key Accomplishments:

- Created Platinum Pixie Award winning logo for **Colorado Governor George Hickenlooper**.
- Served as Lead Artist / 3D Modeler for **Medical Simulation Corporation** in the creation of high-tech simulators used to train surgeons on complex new procedures.
- Served as Visual Effects Supervisor for **Impossible Pictures**, responsible for previsualization for "Discovering Ardi" and particle effects for "Stormchasers" promotional spot (**Discovery Channel**) and snow effects for "Shaun White Snowboarding" (**Ubisoft**).
- Delivered speeches and presentations at conferences across the globe, including **SIGGRAPH**, **The National Association of Broadcasters**, **FMX Germany**, **Mile Hi Con**, **StarFest**, **Colorado Springs**, **Cleveland** and **Denver Comic Cons**.
- Currently producing documentary film, *The Wizards of Hollywood: Movie Magic Secrets from the Artists who Invented CGI*, focusing on significant movies and artists in CGI history.

Industrial Light & Magic (ILM) • San Francisco, CA • 1994 to 2006

Sequence Supervisor / Senior Technical Director

Played a key role in CGI lighting and visual effects design for 24 high-profile feature films. Led and supervised teams of technical directors. Developed innovative techniques to achieve breakthrough visual effects.

Key Accomplishments:

- Performed CGI lighting, compositing, surfacing, and particle effects on films including:
 - Oscar winner for Best Visual Effects (2006): *Pirates of the Caribbean: Dead Man's Chest* (Kraken)
 - Oscar nominated (2003) *Star Wars Episode III: Revenge of the Sith* (Digital Environments)
 - Oscar nominated (2001) *The Perfect Storm* (Photorealistic Ocean Effects)
 - Oscar nominated (2000) *Star Wars: Episode I: The Phantom Menace* (Jar Jar Binks, Battle Droids)
 - Oscar nominated (1998) *Jurassic Park: The Lost World* (T-Rex in San Diego, Dinosaur Stampede)
 - Oscar nominated (1997) *Twister* (Digital Tornado and Antenna through Windshield)
 - *Jumanji* (Monkeys in the Kitchen, Vine pulling Police Car into woods)
 - *Harry Potter and the Chamber of Secrets* (Quiddich Trench - rogue Bludger sequence)
 - *101 Dalmatians* (Digital Puppies, particle Snow and Slush effects)
 - *Van Helsing* (Vampire Brides, Dracula, Werewolf, Frankenstein lab lightning effects)

- Oversaw CGI technique development and Sequence Supervisor of teams on films including:
 - *The Mummy (Scarab Beetles)*, *The Mummy Returns (Scarab Beetles, Jungle Destruction)*
 - *Star Wars Episode II: Attack of the Clones (Droid Factory, End Battle Sequence)*
 - *Galaxy Quest (Rock Monster lighting and particle effects)*
 - *Son of the Mask (photorealistic CGI baby)*

PRIOR EXPERIENCE:

Lead Animator at Kleiser Walczak Studios • San Francisco, CA

Worked on team that created “Lady with a Torch” logo for **Columbia Pictures**. Supervised 70-foot VistaVision film for **LUXOR Hotel**. CGI effects for *Stargate* (Helmet Morph shots) and *Clear and Present Danger* (Smart Bomb shots).

Senior Animator at Crawford Post - DESIGNefx • Atlanta, GA

Responsible for design, modeling, animating, finishing and interaction with clients including **Coca-Cola, Tribune Entertainment, TBS, CNN, WCBS New York, 1992 Olympics, Simmons Beautyrest**, and **ESPN**. Multiple awards, including Monitor Award for Best Video Design, Four Gold and Silver Awards from the Broadcast Design Association (BDA).

Animation Engineer at NASA – Johnson Space Center • Houston, TX

Modeling, animation, lighting, editing, Mars Rover Sample Return Mission, shown to congress and on **CBS Evening News**.

Senior Animator - CompuGraph Designs • New York, NY • Multiple Monitor and BDA Awards for clients like Lifetime Network, Cinemax, ESPN, ABC Sports, Columbia Pictures, Ford, Crest Toothpaste)

Electronic Animation Artist - Image West • Hollywood, CA • Merv Griffin Show Open, World Series 1982 Open, Hitachi logo

Teaching Experience

Art Institute of Colorado • Denver, CO • 2011 to 2018

Full Professor

Provide in-depth classroom instruction specializing in CGI techniques using Maya with Arnold and Mental Ray. Supervise all media students through portfolio production, including branding strategy, demo reel production, website creation, and final portfolio projects.

Classes Taught:

- Hard Surface & Organic Modeling, Lighting & Materials, Advanced Lighting & Texturing, Dynamics & Simulation, Technical Visualization, Animation Principles, Team Production, Portfolio Production

Colorado Film School • Denver, CO • 2010 **Adjunct Instructor, CGI (Maya)**

Rocky Mountain College of Art and Design • Denver, CO • 2018-2019 **Adjunct Instructor, CGI (Maya)**

Education

Master of Arts, Film Production,
University of Texas at Austin • Austin, TX • 1980

Bachelor of Science, Psychology,
Duke University • Durham, NC • 1977
Graduated with High Honors