Carter Hickman

Rincon, GA   63129 | (314)570-9751 | carterh@startmail.com

SUMMARY & SKILLS

3D Digital Visualization Expert with over 15 years of experience specializing in photorealistic aircraft interior and automotive renderings. Proven track record of identifying challenges in 3D content creation and implementing solutions to streamline workflows and pipelines. A positive asset who excels in self-management and deadline-driven environments.

Maya, 3DS Max, VRAY, Corona Render, Maverick Render, Rhino3D, MODO, Adobe Creative Suite

EXPERIENCE

Gulfstream Aerospace | Savannah, GA
SENIOR 3D DESIGNER   04/2023 to Present

- Create high quality detailed 3D renderings of bespoke business aircraft interiors and components.
- Collaborate with Interior Design teams to ensure accurate project details and material color representation in large-format prints.
- Lead a team of artists, providing mentorship to enhance their skills and performance while ensuring high-quality standards and deadlines are consistently met across projects.
- Identified and addressed challenges in exterior paint design presentations by developing an innovative Unreal Engine configurator integrated with Adobe Illustrator, reducing design update time by 70%.
- Developed a dynamic Python script in Maya to automate shader and material overrides using Substance output maps, reducing production time for complex designs by 30 minutes per scheme.

WheelPros | St. Louis, MO
3D DESIGN DIRECTOR 11/2014 to 01/2023

- Created quality photo-realistic 3D renderings and animations for explanation, assembly, and specifications of company products for multi-scale marketing and omni-channel promotion.
- Partnered with brand, marketing, and engineering managers to fulfill rendering requests for specific design elements including materials, textures, lighting, environments, and location.
- Provided pre-production assets, decks, and imagery for unreleased products, enhancing brand awareness and stakeholder engagement pre-launch while reducing costs associated with physical photoshoots.
- Produced an image library consisting of 16.5K+ rendering designs that were used consistently in internal formal design review decks.
- Developed code for programmatic asynchronous batch-rendering script that could efficiently execute hundreds of variants autonomously.
- Conceptualized, researched, and oversaw the development of a groundbreaking user-centric proof of concept app, utilizing markerless tracking and real-time imagery in an augmented reality wheel configurator.

Carter Hickman Design | St. Louis, MO
FOUNDER & PRESIDENT   01/2006 to 11/2014

- Developed and promoted House of Kolor custom visualization software.
- Worked with clients to design and render custom automotive projects.

AWARDS & PATENTS

- **U.S. Patent - Photoshop** - The Method and Process for Virtual Paint Applications
- **New Product of the Year Award** - NSRA | 2007
- **New Product of the Year Award** - HRIA | 2012

PORTFOLIO

www.carterhickmandesign.com