

Industries

Experience & Interaction Design  
3D Visualization  
Data Visualization  
  
Industrial Robotics & Cobotics  
Human-Machine Interfacing  
Hardware/Software Integration  
  
Commercial Aviation Interior Design  
Passenger Experience  
  
Architectural & Spatial Design  
Architectural Visualization  
AV Integration for AEC  
  
Technical Writing  
Graphic Design  
  
Music Composition  
Audio / Music Production

Tools

Adobe Creative Suite  
Figma  
Unreal Engine  
Blender  
Substance Suite  
Houdini  
Rhinceros 3D  
NVIDIA Omniverse  
Revit  
Fusion360  
AutoCAD  
  
Cubase  
Sibelius

Qualities

Multi-disciplinary  
Swift learner  
Self-teaching  
Writing & communication-focused  
Intent on organization  
Attention to details  
Platform agnosticism  
Collaborative spirit

Work History

Position	Dates	Role
Senior UX & Digital Designer Visualization Lead 3D Generalist Boom Supersonic	2022-2025	Alongside a cross-disciplinary team of aerospace engineers and industrial designers, designed and conceptualized passenger experience products encompassing both digital and physical touchpoints. Developed a realtime visualization pipeline in Unreal Engine 5 involving the processing of complex CAD data into a deployable, photorealistic 3D product configuration & cabin interior digital twin that could be deployed in both VR and on a desktop PC. Contributed industrial design concepts for passenger cabin interior architecture, furniture, and monuments.
Senior Designer KUKA AG - Research & Development Boston, MA	2021-2022	Designed and developed novel software solutions for cobot integration and programming within an Agile framework. Worked with a multi-disciplinary team of robotics engineers, software developers, and hardware specialists to research and design easy-to-use solutions targeted towards SME industrial applications (machine shops, LEAN manufacturing, logistics) where robotics knowledge would be limited, and swift ROI was a requirement. These solutions used standard web-based application UX practices to present familiar interaction paradigms to customers, as well as researching realtime 3D visualization paradigms and solutions to ease human-machine interaction.
Senior Exhibit Designer Ideum Albuquerque, NM	2016-2021	Lead the design, build, and project evolution of multi-faceted interactive experience projects for museums, educational institutions, and corporate clients. Coordinated directly with developers, engineers, contractors, and architects, and provided specifications, designs, drawings, and 3D architectural visualization for exhibit elements, both physical and digital. Devised design patterns and interface usability standards for multiple modes of interaction, including touch, cursor, and gestural. Designed visual structures, design systems, and UI elements for touch applications, internal software tools, and mobile applications.

**3D Generalist**  
Freelance

2016-

Collaborated with independent filmmakers in producing stand-out visual effects from asset creation all the way to rendering and compositing. Continued application, research, and personal development of skills in the utilization of game engines for general 3D visualization of structures and building data.

**Customer Content Specialist**  
Cision/PRNewswire  
Albuquerque, NM

2013-2016

Provided copywriting, proofing, and technical writing for corporate communications clients, and provisioning and scheduling of press releases and material financial information.

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Education

**Bachelor of Arts (BA)**  
Ave Maria University

**Class of 2013**  
Magna Cum Laude  
Dean's List

**Major in Literature**  
Departmental Award in Literature

**Major in Music**  
Departmental Award in Music

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Academics & Industry

**Jury Member**

**2019 SEDG Global Design Awards**  
Washington D.C.

**Society for Experiential Graphic Design**

**Fellowship**  
University of South Carolina  
Department of Music

**2012 Conductor's Colloquim**

**"This Mighty Art Magic': The Influence of Music on Coleridge's Aesthetics"**  
Paper

**2012 Coleridge Summer Conference**  
Cannington, United Kingdom

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