

MATT CLATWORTHY

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EDUCATION

2004 - 2008 **UNIVERSITY OF HOUSTON** Houston, TX
BACHELOR OF SCIENCE IN INDUSTRIAL DESIGN

SKILLS

COMPUTER

Adobe: Photoshop, Illustrator,
InDesign, Flash,
Dreamweaver
Programming: HTML, CSS
3DSMax
Vray Renderer

CATIA V5
Solidworks
Abaqus FEA
Rhino3D
AutoCAD
Excel

TECHNICAL

Complex Surface Modeling
Drafting
Website Design
Graphic Design
Photorealistic Renderings
Product Animations

PERSONAL

Detail Oriented
Self Motivated
Reliable
Quick Learner
Goal Driven
Innovative

RELEVANT EXPERIENCE

2013 - Present **U. S. STEEL TUBULAR PRODUCTS** Houston, TX
PRODUCT DEVELOPMENT SPECIALIST

2009 - 2013 **TORQUELOCK / GANDYTEC** Conroe, TX
DESIGNER

- Involved in the design of multiple premium pipe connections used throughout the world
- Set up and evaluate Finite Element Analysis models that are properly meshed and defined
- Responsible for creating accurate 3D models from engineers sketches and drawings
- Collaborate with engineers to make necessary design changes based on FEA and physical test results
- Develop manufacturing, inspection, and gage drawings while checking for anomalies
- Coordinate with suppliers to order inserts and overlays that are required for manufacturing
- Developed the corporate identity by providing: website development, brochures and presentations

2009 **GRAVITASVIZ** Houston, TX
3D MODELER

- Part of a team that provides Architectural Renderings for clients ranging from HESS to Brookwood Medical
- Modeled over 100 objects: Everything from appliances, computer equipment, restaurant supplies, furniture, hospital equipment, to HESS trucks

2007 - 2009 **UNI-FORM COMPONENTS** Houston, TX
DESIGNER

- Introduced 3D CAD into the manufacturing process with Solidworks and FASTBlank
- Developed a technique that significantly reduces manufacturing time and uses less material
- Responsible for producing CNC laser cut drawings for \$100,000+ projects
- Designed metal dies for pressed parts with shop and assembly drawings

2005 - 2008 **UNIVERSITY OF HOUSTON** Houston, TX
TUTOR - COMPUTER AIDED INDUSTRIAL DESIGN

- Give students advice on how to properly approach modeling their own designs
- Troubleshoot modeling problems: Failed fillets, poor surface continuity, and surface errors
- Teach students how to render with VRay, including texturing and animation in 3DSMax

AWARDS AND CERTIFICATIONS

2010 + **CERTIFIED CATIA AND ABAQUS PROFESSIONAL** Houston, TX

- CATIA V5 Fundamentals, Advanced Surfacing, Metal Inelasticity with Abaqus

2008 **UNIVERSITY OF HOUSTON - COLLEGE OF ARCHITECTURE** Houston, TX

- Technology award for significant accomplishment using computers in design inquiry

2001 **TECHNOLOGY STUDENT ASSOCIATION STATE COMPETITION** Waco, TX

- Best in State for Porsche 959 3D digital computer renders