

GERARDO CAMBRONERO

WORK EXPERIENCE



EDUCATION

• INDUSTRIAL DESIGN

Bachelor of Science
University Of Houston

• MECHANICAL ENGINEERING

Associate of Science
Miami Dade College

• APPLIED SCIENCE & MECHANICAL ENGINEERING CAD

Technical Degree
ITT Technical Institute

• WEB DEVELOPER

Certificate
Lone Star College

SOFT SKILLS

- Design Thinking
- Conceptualizing & Ideation
- Design Research Methodologies
- User-Centered Design
- User Experience Design
- Ergonomics & Human Factors Design
- Usability Testing
- 2D Sketch, 3D CAD
- Modeling & Rendering
- Model Making, Prototyping
- Manufacturing & Materials
- Web Design & Wireframe Prototyping
- Design Language

HARD SKILLS

- Photoshop, Illustrator, InDesign
- SolidWorks, AutoCad, Sketchbook
- Keyshot & Photoview 360
- iWork & Microsoft Office
- Adobe Xd, Muse
- Basic HTML & CSS

CHIEF DESIGN OFFICER | FOUNDER | Xcel Design Studios, Inc. Jan 2015 – Present

- Founder and owner operator of Xcel Design Studio, Inc. Industrial and Architectural Design Firm
- Company focuses on clean energy systems and future living structures design and development
- Design Consultant for current partner companies: SeaDog Systems, Inc. and Global Oceanic Designs, Inc.
- Invent, design, develop and manufacture tomorrow's clean energy systems
- Research and explore new infrastructure systems for future transportation and cities development
- Drive an iterative approach to prototyping, evaluation, testing, and refinement to ensure targeted solution set is desirable, feasible, and viable
- Research new technologies as applied to future clean energy systems and future building techniques

INDUSTRIAL DESIGNER | Ensign Energy Services | Jan 2015 – Jun 2015

- Industrial and UI|UX design to development next generation ADR 1500S class rigs interface for Ensign's rigs fleet
- Implemented visual design and human factors principles to enhance user experience for rig drillers and the design of a new control cabin and drilling controls console
- Lead cross functional team to build understanding of and support the design process
- Conducted extensive field research including user interviews, immersive research, observational research, equipment usability testing, and repetitive task analysis for the collection and delivery of design research insights to determine user's needs and project validation
- Created a User-Persona to identify the needs for our target user (Oil rig drillers) and the specific features required
- Contributed to the designed of a new and improved UI HMI interface to drive the future of Ensign's rigs automation
- Continuously collaborated in specialized multidisciplinary team meetings making daily design progress presentations to senior design management team and presented design proposals to set daily project direction
- Implemented design methodologies (similar to "Agile" methodology) to maintain a consistent work flow through iterative and incremental design cycles
- Presented design progress at daily team meetings in order to set daily project direction
- Worked on ideas as part of a team and developed design concepts using CAD (computer-aided design)
- Continually monitored project progress and determined time line development for each of the design tasks

ARCHITECTURE DESIGN ENGINEER | Advent | Mar 2014 – Jan 2015

- Principal designer in charge of the design of exhibit and trade show booths and displays for customers across a wide range of markets worldwide
- Designed projects from conceptual development through final design development including construction prints for all active projects
- Implemented ergonomics and human interaction principles to design more functional projects
- Developed schematic design presentation materials (technical drawings, 3D models, renderings) and collaborated with the Marketing Department to create advertising collateral and packets for client review

Cont...

gerardocambronero.com

gerardocambronero@me.com

713 | 842.0100

Cont...

- Directed fabrication personal during the construction and completion of all designs
- Contacted vendors, ordering materials and parts as required by each project
- Worked closely with a multidisciplinary team of graphics designers, fabricators and installers to refine designs for production, assembly, and install with an emphasis on integrating quality and cost control into each project
- Worked with vendors on all details of the projects from material samples through production schedules and quality control

INDUSTRIAL DESIGNER | Sumec North America | Oct 2012 – Nov 2012

- Consumer goods designer for the power and garden tools industry
- Creative thinking and visualization of product to improve and innovate new and existing products for the industry's market
- Developed a more US market friendly product line for small-chore cultivators
- Created both low-fidelity and high-fidelity design deliverables (e.g. functional prototypes, 3D prints)
- Occasionally traveled to production facilities and evaluating the feasibility of production

INDUSTRIAL DESIGNER | Techtronic Industries Inc | May 2011 – May 2012 | Internship

- Designed and developed products under brands like the Ryobi, Ridgid, Homelite, PowerStroke, and Craftsman for The Home Depot power tool market
- Reviewed, researched, and evaluated the product landscape translating these findings into new product offerings
- Prepared design assets across all types of digital mediums for product presentation and market launch
- Reversed engineered existing tools to propose improvements and/or ideate new design concepts
- Built advanced 3D parts and surface models to communicate design intent
- Arranged meetings and liaising with engineers and other departments, including marketing, to discuss and negotiate appropriate production processes, costs and commercial issues
- Research materials, processes or market requirements
- Manage external resources to deliver work on time and on budget

LEAD CAD DESIGNER | Innerspace Storage Design | Sept 2000 – Apr 2006

- Created residential high-end storage systems for multi-million dollar homes
- Designed furniture-specific mechanisms for optimal design functionality
- Prepared construction drawings and supporting documents to developed a layout of the systems, components, and parts
- Collaborated in the construction and installation guidelines of each project
- Created cost and retail price sheets to build customer's proposals
- Maintained CAD data files and created new CAD templates and block drawings as needed

LEAD RENTAL AGENT | Alamo Rent a Car | Apr 1997 – Sept 2000 | Jun 2006 - Mar 2008

- Supervision and management of other rental agents and staff
- Customer service and sales
- Provided customers with accurate information about car rental terms and conditions

JUNIOR ENGINEER & CAD DESIGNER | Raymond Engineering | Nov 1997 – Dec 1999

- Analyzed architectural plans to design mechanical, electrical and plumbing (MEP) systems for apartment buildings construction
- Evaluated job designing as required by fire Marshall and city engineers. Transfer of drawing files across multiple CAD platforms as needed by our clients

PETTY OFFICER 2ND CLASS | US Navy | Apr 1993 – Apr 1997

- Performed various military duties

