

MARY PARRISH

Product designer with 6+ years of experience in medical device development, specializing in user-centered design and innovation. Expert in SolidWorks CAD, prototyping, and user experience (UX) design. Proven track record of delivering innovative solutions and testing creative projects, and incorporating quantitative methods and data analysis to support and strengthen qualitative insights.

SKILLS

- **Technical Skills:** SolidWorks CAD, Adobe Creative Suite (Photoshop, Illustrator), MS Office
- **UX/UI Design:** User experience flows, wireframing, Adobe XD/Figma prototyping, design thinking, design sprints
- **Research and Product Development:** Rapid prototyping, mockup design, proposal writing, mold design and fabrication
- **Leadership and Management:** Project management tools, budget handling, creative ideation

WORK EXPERIENCE

Freelance Designer | Pendleton, SC

October 2024 - Present

- Designed t-shirts, flyers, and posters for local events and organizations
- Helped manage social media accounts for local businesses and non-profit organizations
- Revamped Pendleton Area Business Association (PABA) website collaborating with local business owners, PABA board, and Town of Pendleton staff for implementation.

Research Engineer and Creative Specialist | Cornerstone Research Group, Miamisburg, OH

May 2019 – October 2024

- Led the design of 5+ mobile and desktop prototypes for medical/ health tracking projects. Generated UX flows, wireframes, user interfaces, and Adobe XD/ Figma prototypes for hand-off to the development team
- Facilitated research debriefs and brainstorming exercises that utilize design thinking approaches to fuel ideation and evaluate product design grounded in research findings with internal project teams
- Generated internal processes and SharePoint sites to streamline proposal writing techniques and templates, project management resources and strategies, and promotional material requests and assets across the entire organization
- Liaised with project teams (managers, engineers, and designers) to identify promotional material needs and created assets such as tech sheets, instructional manuals, product labeling, presentation slides, proposal-specific concept images, illustrations, and infographics
- Delivered hardware solutions for medical device development, manufacturing scale-up, additive manufacturing and recycling processes, and aircraft designs for military and NASA customers

Mechanical Engineer | Obi Robot, Dayton, OH

May 2018 – March 2019

- Led the release of the second version of a medical-grade consumer robot, focusing on mechanical design, design for manufacturing, and validation testing. Executed engineering changes in compliance with FDA regulations, state regulations, and standards including IEC 60601.

EDUCATION

- Bachelor of Science in Mechanical Engineering | University of Dayton, Class of 2018
- Certifications in User Experience, Design Thinking, Human-Computer Interaction, Interaction Design for Usability, and more | Interaction Design Foundation, 2019 – Present

PATENTS

- “Modular, Reconfigurable Environment Isolation Structures and Related Methods” US 11,530,549 B1. Dec. 20,2022
- “Material Analyzer and Related Systems and Methods” Patent No.: 12,130,298 B1. U.S. Oct. 29, 2024
- “Mobility Virtual Assistant” P158US00 (Pending)

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