

Mason Mejia

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SUMMARY

Driven civil engineer with over 5 years of experience specializing in land development and modular healthcare design. Proven track record of collaborating with multidisciplinary teams to enhance product performance and manufacturability. Expertise in Revit and a solid understanding of construction methods, paired with strong communication skills. Committed to improving design standards and supporting project delivery through innovative solutions.

EXPERIENCE

Design Engineer

June 2021 - Present

Innovative Structures

Baton Rouge, LA

Oversees design and implementation of modular healthcare solutions, focusing on volumetric modules and wall panel systems. Drives collaboration among engineering teams to ensure compliance with regulatory requirements.

- Lead the design of modular healthcare products, focusing on volumetric modules and wall panel systems, resulting in improved project delivery times.
- Collaborate with engineering teams to ensure that all designs meet regulatory standards and performance goals, enhancing user satisfaction.
- Manage documentation for manufacturing, ensuring that all standards are met and maintained for quality assurance.
- Conduct regular team meetings to discuss project updates and adjustments, fostering a collaborative work environment.
- Develop and implement quality control tools, including detailed checklists to streamline documentation processes.
- Serve as the primary contact for clients regarding design standards and modifications, improving client relationships and satisfaction.

Junior Civil Engineer

August 2019 - May 2021

Green Building Solutions

Baton Rouge, LA

Contributed to healthcare-related projects under senior engineers' guidance, focusing on compliance and enhancing user experience. Assisted in procurement and cost estimation.

- Assisted in the design of healthcare-related construction projects, focusing on compliance with regulatory standards and user experience.
- Supported senior engineers in creating Bills of Materials for cost estimation and material procurement, enhancing budget accuracy.
- Engaged in team meetings to align project goals with long-term design objectives, ensuring effective communication across departments.
- Conducted research on construction methods and materials, contributing to innovative project solutions.
- Collaborated with design and fabrication teams to improve product manufacturability, reducing production delays.
- Developed documentation for project coordination, ensuring clarity and compliance throughout the design process.

LEADERSHIP & AWARDS

- Certified Revit Professional (2022)
- Selected for employee recognition program for outstanding teamwork.

EDUCATION

Bachelor's Degree in Civil Engineering

2020

Louisiana State University GPA: 3.5

Baton Rouge, LA

Coursework: structures, fluid mechanics, surveying, materials science

CERTIFICATIONS

- Certified Revit Professional 📅 2022
- OSHA Safety Certification 📅 2021

TECHNICAL SKILLS

- **Design Software:** Revit, AutoCAD, SketchUp
- **Modeling Techniques:** Volumetric Systems, Modular Components, Panel Design
- **Documentation Tools:** Microsoft Office, Google Drive, Procore
- **Construction Methods:** Regulatory Compliance, Quality Standards, Project Planning
- **Collaboration Platforms:** Slack, Microsoft Teams, Zoom

- **Presentation Tools:** PowerPoint, Prezi, Canva
- **Safety Standards:** OSHA Regulations, Site Safety Protocols, Risk Assessment
- **Estimating Tools:** Bills of Materials, Cost Calculators, Resource Planning
- **Quality Improvement:** Checklists, Feedback Sessions, Continuous Learning
- **Research Techniques:** Material Sourcing, Method Comparison, Problem Identification

SKILLS

- Revit
- Regulatory Compliance
- Team Collaboration
- Modular Design
- Project Documentation
- Communication Skills

PROFESSIONAL AFFILIATIONS

- Member of American Society of Civil Engineers
- Volunteer for Habitat for Humanity projects.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST