

# 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