

Engineering Design & Support Internship (Position 2)

Who is Water Mission?

Water Mission is a nonprofit Christian engineering organization that designs, builds, and implements safe water, sanitation, and hygiene (WASH) solutions for people in developing countries and disaster areas. Guided by love, excellence, and integrity, we are driven to share clean, safe water and God's love with all. To date, we have served more than 7 million people in 57 countries.

What is the opportunity?

The Engineering Design and Support interns will work closely with the Water Mission Engineering team to focus on implementing and continuing the Design and Support Department's current and future projects. This full-time, unpaid position is based in North Charleston, SC, and will report directly to our Engineering Manager of Design and Support.

The scope of this internship will include:

Capture and Analyzing Data for Continuous Improvement

- Capture field data related to short- and long-term functionality of safe water treatment systems
- Synthesize field data related to short- and long-term functionality of safe water treatment systems into meaningful key performance indicators (KPIs)
- Analyze KPI trends to identify short- and long-term safe water system functionality learnings for continuous improvement
- Write and present reports on learnings and recommendations for continuous improvement
- Assist other the Design & Support Intern in designing an app to capture as-built photos for virtual site inspections
- Communicate and collaborate with country program technical staff

Other Responsibilities may include:

- Design, operate, repair, modify, and fix water treatment systems
- Design, operate, repair, modify and fix electrical systems, PV, AC, VFDs, instrumentation, controls, PCBs, and PLCs
- Perform water quality analyses
- Write and present reports

What is required?

- Must be pursuing an Engineering Degree (Civil, Mechanical, or Electrical is preferred)
- Must have proficiency using Microsoft Excel
- Microsoft PowerPoint proficiency preferred
- Prior international traveling experience, preferred
- Bilingual in Spanish, preferred

- Must have prior experience with data management
- Familiarity with conducting statistical analyses, highly preferred