

Engineering Design & Support Internship (Position 1)

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:

Update Drawings and Specifications for Improved Safe Water System Implementation Quality

- Create as-built drawings of implemented safe water treatment systems from Water Mission's nine country programs
- Updating specifications for all aspects of safe water system engineering (pumps, filters, pressure gauges, valves, etc.)
- Enhance and organize drawings library
- Design an app to capture as-built photos for virtual site inspections
- Write and present reports on findings
- Communicate and collaborate with country program technical staff

Additional Responsibilities 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
- AutoCAD experience, highly preferred