

Engineering Innovation Internship

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 intern will work closely with the Water Mission Engineering team to focus on implementing and continuing the Innovation 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 Innovation.

The scope of this internship 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 chemical analysis
- Collect data
- Write and present reports

What is required?

- Must be a rising sophomore and above, pursuing an Engineering Degree
- Must have the ability to apply knowledge to hands-on projects
- Must have prior experience with conducting experiments, collecting data, and presenting findings
- Computer programming experience, preferred
- Prior experience with electronics and wiring, preferred
- Prior experience with Arduino, preferred
- Understanding of hydraulic and electrical systems
- Experience working with power tools