



## Research Laboratory Intern Job Description

The Water Tower (TWT), a nonprofit water innovation and research center in Buford, GA, is currently seeking a **Research Laboratory Intern**. The Water Tower has three applied research laboratories and is conducting several research efforts ranging from field sampling and measurements in Lake Sydney Lanier to water treatment studies in drinking water and wastewater treatment plants. The Research Laboratory Intern will be involved with field and laboratory research efforts which may include field sampling, conducting analyses on water samples, organizing and reviewing scientific data, and bench- and pilot-scale water treatment and monitoring technologies.

### Mission

The mission of The Water Tower is to advance the water industry by expediting the implementation of innovative water solutions and attracting and training the next generation of water professionals. The Research Laboratory Intern will directly contribute to the success of The Water Tower by helping to bolster our research portfolio on innovative water solutions.

### Duties and Responsibilities

This is an **on-site internship** at the TWT's campus located at 2500 Clean Water Ct. Buford, GA. Laboratory Research Intern will be responsible for:

- Basic water quality analyses including (but not limited to) pH, chemical oxygen demand (COD), turbidity, and dissolved oxygen measurements.
- Participating in required safety training.
- Using and evaluating new technologies for algae and algal toxin identification.
- Performing routine laboratory upkeep and maintenance tasks.
- Field sampling for a variety of water types including lake/river water, drinking water and wastewater.
- DNA extractions from water-related samples and conducting dPCR and/or metagenomics analyses.
- Maintaining laboratory notebooks and electronic databases.
- Attending scheduled meetings with TWT staff and contractors
- Performing other duties as assigned or directed to meet the goals and objectives of the organization

### Required Qualifications

- Enthusiastic, proactive, and motivated individual with excellent interpersonal and communication skills
- Willingness to learn (prior experience in the water industry is not required)
- Organized multi-tasker with attention to detail



- Exceptional customer service skills
- Experience with managing concurrent tasks under pressure
- Proficient with EXCEL, as well as entire Microsoft Office Suite. Experience with statistical methods is a plus.
- Currently pursuing or recently completed a degree in chemistry, biology, environmental engineering, or other relevant field.
- Prior laboratory experience or relevant coursework in the application of metagenomics and AI applications for genomic sequencing a plus.
- Prior experience with chromatography and mass spectrometry a plus.
- Ability to work on site in Buford, Georgia for approximately 32 hours/week

#### Additional Information

This is a part-time (approximately 32 hours/week), paid internship position. The duration of the internship is ten months, with a start date in March 2026.

#### Apply

To apply for this position, send your resume and optional cover letter to [cai@theh2otower.org](mailto:cai@theh2otower.org) by 5PM on Thursday, February 26, 2026 For more information about The Water Tower please visit [www.theh2otower.org](http://www.theh2otower.org).