

# Carey M. Wu

203 Morris Street | Morristown, New Jersey 07960 | 609-234-4311 | careywu917@gmail.com

## OBJECTIVE

Seeking a position upon which to build a foundation for a career in biological, environmental, and/or computer sciences.

## EDUCATION

**The College of New Jersey**, Ewing, NJ | **B.S. in Biology**, 2010 | Focus in Ecological Studies  
**Rutgers Coding Bootcamp**, Somerset, NJ | **Full-Stack Coding Bootcamp Grad Cert**, 2019

## Professional & Technical Skills

### Environmental:

- PCB sampling and analysis
- Heavy metals and toxics studies
- Stream conductivity studies
- Point-discharge effluent studies
- Stream assessments
- Biological sampling
- Air sampling
- Water quality studies
- Data analysis and interpretation
- Able to work independently and as part of a team
- Excellent written and oral communication skills
- Familiar with Microsoft Office, Google Earth, and some experience with Arc GIS.

### Computer Sciences:

- Proficient in writing and executing:
  - .bat files
  - .vbs files
  - Excel Macros
- Familiarity with FTP Client programs
- Familiarity with HTML, CSS, Javascript, JQuery, Bootstrap, JSON, Node, APIs, AJAX, Axios
  - Currently completing Full-Stack Coding Bootcamp Certification Program

## Professional Experience

**Delaware River Basin Commission**, West Trenton, NJ  
**Intern/Field Technician (May 2011 – April 2013)**

- Responsible for data analysis and interpretation
- Conducts PCB studies using both water collection and air sampling methods
- Conducts heavy metal and other toxics studies
- Responsible for analysis of conductivity measurements related to Fracking impacts
- Conducts waste water treatment plant effluent sampling
- Responsible for water quality sampling for tributaries, main-stem Delaware River, and Delaware estuary.
- Collects biological samples to determine stream and environmental quality

- Equipment maintenance/designing
- Responsible for deploying and maintaining conductivity data loggers in streams and rivers
- Performs repairs on damaged sampling equipment as needed
- Proposed new designs for sampling equipment
- Assist in generating and preparing technical reports
- Performs technical reviews on submittals such as PMPs and DMRs
- Consulted or currently involved in the following projects:
  - Lower Delaware Scenic Rivers Monitoring Program
  - Lower Delaware Point-Source Discharge Monitoring Program
  - Natural Gas Development Water Quality Monitoring Program
  - Ambient Water Toxicity Monitoring Program
  - Delaware Estuary Copper Study

**Emilcott Associates, Morristown, NJ**

**Project Manager (April 2013 – Present)**

- Responsible for data analysis and interpretation
- Conducts air sampling programs for construction and remediation sites
- Conducts heavy metal and other toxics studies
- Design and implementation of Perimeter Air Monitoring Plans
- Responsible for all data reporting for all technologies related projects
- Proposal writing
- Technical support on all technology projects including but not limited to:
  - Station construction and repair
    - Wiring
    - Remote troubleshooting
    - Diagnostics
    - Programming
  - Data retrieval and interpretation
- Responsible for designing and writing code and scripts for report automations as new projects are awarded.

**References:** Available upon request