



April 22, 2024

## **WATER RESOURCE ENGINEER I**

We are ZEST LLC. We are looking for a **full-time** entry-level water resource engineer to join our office in **Greenbelt, Maryland**. You will work under supervision, perform routine engineering work while developing professional proficiency. The ideal candidate will have a strong background in water resource management and engineering, with a particular emphasis on hydrology, hydraulic infrastructure, and flood mitigation. This role requires a deep understanding of surface water conveyance systems, bridge hydraulics, roadway and transit drainage system layout and design, and permitting. The successful candidate will have the opportunity to work with cities, counties, and watershed districts to develop and implement innovative solutions to complex water resource challenges.

### **Responsibilities:**

- a. Stormwater Management Design with ESD/LID, BMP, SWM Facilities Retrofits and Inspections.
- b. Erosion and Sediment Control Design and Inspection.
- c. Storm Drain, Erosion and Sediment Control, and SWM Plan Review and Constructability check.
- d. Drainage Design and modeling & Watershed Hydrology Analysis.
- e. Technical document preparation including technical writing and creation of tables exhibits and maps.
- f. Interaction and coordination with regulatory agencies and environmental clients.
- g. Assisting in the development of proposals and other business development activities.
- h. Work at client site on assigned projects as needed.
- i. Attending project meetings with clients, sub-consultants, and the project team.

### **Essential requirements:**

- a. Master's degree in civil, Environmental, or Water Resources Engineering, or a related discipline.
- b. Must have a valid driver's license.
- c. 1-5 years of experience in water resource engineering.
- d. Basic knowledge of water resource modeling software: HEC-HMS, HEC-RAS, SWMM, ArcGIS, MicroStation, AutoCAD WinTR-20, WinTR-55, HY-8, and Hydraulic Toolbox.
- e. Strong attention to detail, written and verbal communication skills, and a penchant for innovative approaches to problem solving.
- f. EIT or the ability to obtain within 2 years of employment. PE preferred.
- g. Familiarity with DOE & DPIE permit requirements of municipalities and other government entities.
- h. Knowledge of Chesapeake Bay TMDL requirements preferred.

### **Benefits:**

- a. Health insurance, Dental insurance, and Vision insurance
- b. Life Insurance and Accidental Death & Dismemberment
- c. 401(k) Plan
- d. Paid Time Off, and Paid Holidays

This position entails some field-related assignments in the Counties surrounding Maryland and Washington DC areas, which require local travel. Non-field assignments will be conducted both remotely and in the office.

Please send your CV/Resume directly to our office at **9111 Edmonston Rd, Greenbelt, Maryland**, or our company E-mail address [zest.md@zestllc.com](mailto:zest.md@zestllc.com).

Xiaodong Zhang, PhD, P.E.  
President