

Coastal Engineer – Restoration and Sea Level Rise Resilience Focus

Coastal Geologic Services is accepting resumes from qualified professionals for a mid-level/ junior to mid-level Coastal Engineer position in our North Puget Sound (Bellingham, WA) office.

Responsibilities

Analyze conditions and design project elements for beach and estuarine systems focusing on coastal process restoration, nearshore habitat enhancement, erosion control, and sea level rise utilizing beach nourishment, logs, vegetation, coastal structure removal and modification, and water crossing upgrades. Conduct field measurements, model flooding, waves, sediment transport, and coastal evolution/morphodynamics of mixed sand-gravel beach and estuarine systems including inlet processes. Create and manage project elements, working both independently and as a team member. Effectively manage client needs. collaborate on and/or lead grants and proposals.

Required Qualifications

- ◆ Master's degree in engineering (civil, environmental preferred)
- ◆ 3+ years of professional experience working on coastal engineering projects or a PhD
- ◆ Coastal modeling experience such as modeling of waves, currents, storm surge, sediment transport, etc.
- ◆ Environmental and bathymetric data processing and analysis.
- ◆ Experience with coastal flooding and sea level rise resilience and adaptation
- ◆ Engineer-in-Training (EIT)
- ◆ Demonstrated ability to complete field measurements at beaches and coastal waters
- ◆ Strong verbal and written communication skills with ability to conduct effective client and agency presentations and written technical reports
- ◆ Ability to work in the US without sponsorship, and valid driver's license

Preferred Qualifications

- ◆ Puget Sound region professional experience
- ◆ Consulting experience
- ◆ Current Professional Engineer (PE) registration
- ◆ Proficiency in GIS, programming, and modeling tools (SWAN & DELFT3D, or similar, CEM, MATLAB, etc.)
- ◆ Coastal process restoration, living shorelines/habitat enhancement project experience
- ◆ Design experience in project plan development; specifications development, AutoCAD
- ◆ Experience with coastal structure design (shore erosion control structures, culverts, boat ramps, and gravel beach nourishment design)
- ◆ Familiarity with gravel and mixed gravel-sand beaches

Work Environment

This is a full-time position. Days and hours of work are typically Monday through Friday, 8:30 am to 5 pm, with some flexibility. The job largely operates in a professional office environment. Occasional fieldwork and travel may be necessary. Currently staff are working mostly from home offices at the present time and expect to transition back into the office sometime between now and spring 2021 as conditions allow.

Salary and Benefits

Salary will be commensurate with qualifications and experience. Benefits include health and dental insurance, 401k, and comprehensive leave package.

About Coastal Geologic Services Inc.

CGS is committed to responsible stewardship of the Salish Sea by providing innovative coastal science, design, and management to help protect the resources of the Salish Sea/Puget Sound. We are a small, independent consulting firm that is a leader in coastal restoration in the region. CGS has been in business with steady growth for over 26 years. We provide a full range of services for coastal sites at many scales, and for a diverse client base including local, state, and federal government agencies, tribes, non-profits, private landowners, and associations. Focus areas include beach, bluff and estuary restoration and enhancement, gravel beach nourishment/soft shore protection, inlet processes, and climate change/SLR analysis, vulnerability, and adaptation.

We own our modern office located along a forested reach of Whatcom Creek in the vibrant downtown of Bellingham, WA, adjacent to an award-winning trail and park network, and within walking distance of Bellingham Bay. Bellingham boasts wonderful schools, an active and progressive community, access to the San Juan Islands and thousands of miles of marine shore, the Cascade Mountains, and many affordable cultural venues, restaurants, and breweries.

How to Apply

Please email detailed resume, cover letter, certifications, and a minimum of three references. Cover letter should address how the candidate's specific experience makes them well suited for a small, independent firm and how their long-term career goals align with this position. **Please email completed materials to careers@coastalgeo.com. Interviews will begin October 27, 2020.** Position is open until filled. CGS is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, creed, sex, sexual orientation, gender identity, national origin, disability, or veteran status. CGS will provide reasonable accommodation to all applicants and employees.