

Engineer

Alden Research Laboratory is a recognized leader in the field of fluid dynamics engineering, consulting, research, and development. Founded in 1894, Alden is headquartered in Holden, MA, with hydraulic modeling laboratories in Holden and in Everett, WA, and offices in Portland, OR; Fort Collins, CO; and Littleton, CO.

General Position Description

Alden is seeking self-motivated engineers with a strong background and interest in fluid dynamics to join the Hydraulic Engineering and Modeling group in the Everett, WA location. The group conducts a wide range of studies to support and refine the design of hydraulic structures using physical and computational models and desktop analysis. Our primary customers are in the municipal water supply and treatment, power generation, and manufacturing/process industries. Typical projects focus on hydropower, flood control/protection, and water supply and treatment facilities; riverine systems; and sediment transport. This is an excellent opportunity to work on truly one-of-a kind projects.

A successful applicant will aid senior engineering and construction staff in the execution of model design and construction; data collection and analysis; and preparation of written study reports. Initially, the position will focus on hands-on participation in the construction and testing of physical hydraulic models in a laboratory setting. Responsibilities will ultimately grow to include other aspects of project execution and assisting in the development of proposals, literature reviews, and full-scale field studies. The position will provide plenty of variety in the projects, methods used and opportunities for growth and the development of unique skills.

Qualifications

A successful candidate must have a BS in Civil, Environmental, or Mechanical Engineering or closely related discipline. Two years of relevant consulting or construction experience are preferred but recent graduates who have completed pertinent hydraulic engineering courses will be considered. An EIT certification will be considered a plus.

A strong background in civil and hydraulic engineering fundamentals is required. Practical hands-on experience in carpentry or construction and a working knowledge of CAD is also required. Experience with laboratory studies, site inspections, surveying, and electronic instrumentation is desirable. A successful candidate must have the ability to quickly learn and apply new engineering concepts. Only candidates that clearly demonstrate a passion for hydraulic engineering and/or fluid mechanics will be considered. In addition to strong technical qualifications, the candidate must have good oral and written communication skills.

AA/EOE Minorities and Women are strongly encouraged to apply.