

James W. Sewall Company
POSITION DESCRIPTION

TITLE: 3D BIM Modeler
MANAGER: Reality Capture Manager
REPORTS: None

BUSINESS UNIT: Geospatial Services
EXECUTIVE: VP Geospatial Services
STATUS: Full-time, non-exempt

ABOUT THE POSITION: Sewall is seeking a 3D Revit/AutoCAD Civil3D Modeler to work on our active and growing Remote Sensing and 3D Data Services Team. The 3D Modeler will work in a team-oriented environment designing and drafting 3D models of storage tanks, bridges, substations, building exteriors, and building interiors as well as their related systems from point cloud data or conceptual design plans. Ideally, the candidate will have experience managing BIM and related projects from start-to-finish and will be able to expand this service offering through business development efforts. We are looking for a candidate who is comfortable working with minimal supervision and can interact with other engineering personnel and 3rd party contractors or clients.

QUALIFICATIONS:

- 5+ years' working experience in a production environment associated with computer-based modeling
- 5+ years of recent, progressive, and practical Revit experience
- 2+ years using Trimble Business Center and Trimble Realworks or equivalent point cloud modeling software
- 2+ years using SketchUp
- Proficiency in AutoCAD Civil3D
- Experience working with point cloud data in a structural modeling environment
- Experience modeling vertical storage tanks, pipe plant installations, mechanical/electrical/plumbing (MEP), etc.
- Associates degree or higher in 3D Modeling, Drafting, Structural Engineering or related field

JOB DUTIES AND RESPONSIBILITIES:

- Create Revit families and CAD blocks
- Accurately estimate BIM project task labor demands and timelines
- Ability to work with, classify, and extract data from point cloud datasets
- Draw and detail plans for tanks, bridges, buildings, structural systems, and associated components as a Building Information Model (BIM) within a Revit software environment
- Provide CAD drafting/design support on an as-needed basis
- Provide an accurate projection of time needed to complete specific tasks while also accurately tracking time spent on project assignments
- Willingness to be cross trained in different software and market areas
- Coordinate with and consult with team members to design, layout, or detail components and structural systems
- Demonstrated ability to develop learning material, deliver effective training and provide training to other Sewall project stakeholders
- Works safely and promotes safety within the work environment. This includes good posture at workstation; is proactive in getting needed assistance to maintain an ergonomically correct workstation.

COMPETENCIES REQUIRED:

- Competency modeling from LiDAR and point cloud datasets using REVIT, Sketchup, and Civil3D/Recap platforms
- Familiarity with building structural components and Mechanical, Electrical, and Plumbing systems (MEP)
- Ability to complete tasks efficiently, working effectively with general instructions and proper supervision
- Ability to apply strong interpersonal skills with the project team to effectively communicate project details
- Ability to stay focused on daily tasks

KEY PERSONALITY TRAITS REQUIRED TO SUCCEED IN THIS POSITION:

- Ability to thrive in a production environment
- Strong work ethic
- Approachable
- Demonstrates an interest in further development in the assigned function area by asking questions, taking on new tasks, and seeking guidance
- Demonstrated ability to work on aggressive deadlines for multiple projects at once

RELATED EXPERIENCE AND/OR EDUCATION VALUABLE TO SUCCEED IN THIS POSITION:

- Experience in Engineering, Surveying, and/or Architectural discipline(s)
- Knowledge and understanding of land surveying techniques and remote sensing technologies
- General knowledge of Microsoft Office suite (Word, Excel, Access)

PHYSICAL DEMANDS:

- Must be able to sit at a computer workstation (2D and 3D) for extended periods of time on a daily basis. The continuous use of a keyboard and mouse throughout each day will be necessary
- Must be able to work in an open office environment or, at times, remotely with little to no supervision

Remote position after a 2-week orientation period in our Bangor, Maine office.

Please provide resume, cover letter and references when applying.

Sewal

The logo for Sewal features the word "Sewal" in a large, light blue, sans-serif font. To the right of the text is a vertical graphic element consisting of a series of horizontal bars of varying lengths, stacked vertically, creating a stylized, modern architectural or industrial look.

The evolution of expertise

A **TFIC** Company