

Stefan Rigby

Summary

PE-certified Civil Engineer with 15+ years of specialized experience in urban street planning and hydraulic engineering. Drives complex, high-stakes dam, reservoir, and bridge projects.

Education

Longford Tech

Aug '02-May '04

Master of Science in Civil Engineering

Experience

Jan '18 - Current

River Tech, Senior Civil Engineer

- Supervise 20+ employees, including civil engineers, consultants, and subcontractors
- Managed overall building process of the Allard Reservoir and Cedarwood Dam, completed within budget and 1 week ahead of schedule
- Conduct computational fluid dynamic (CFD) analysis to model dam safety problems

Crane & Jenkins, Civil Engineer

Aug '13 -Dec '18

- Developed plans for constructing levees, reservoirs, dams, and artificial canals
- Built lab models to analyze water flow problems and compute flow rates
- Examined the effects of water pressure, seepage, and groundwater flow on different structures

Cloud Clearwater, Civil Engineer

Jan '13 -Aug '13

- Created sketches/specifications of street intersection, pavement marking, and road signage improvements, taking into account pedestrian, bicycle, and vehicular traffic
- Proposed traffic calming solution based on careful traffic data and crash report analysis
- Traveled to university dorm project site during construction to monitor progress

Skills

- AutoCAD and MicroStation
- GEOPAK Civil Engineering Suite
- Hydraulic engineering project planning/management