Michael Anderson

Hydraulic Civil Engineer

(503) 555-3344
michael.anderson@email.com
United States, Portland, OR

Education

Bachelor of Science in Civil Engineering

Washington State University / Graduated: May 2013

Certifications

- Professional Engineer (PE), Oregon — Issued: 2025
- Certified Floodplain Manager (CFM) — Issued: 2019
- OSHA 30-Hour Construction Safety — Issued: 2018

Skills

- Hydraulic and Hydrologic Modeling (HEC-RAS, HEC-HMS, SWMM) — *Expert*
- Flood Risk Assessment — *Expert*
- Stormwater Management — *Expert*
- Water Resources Engineering — *Expert*
- AutoCAD Civil 3D — *Expert*
- GIS and Spatial Analysis — *Expert*

Professional summary

Skilled Hydraulic Civil Engineer with experience specializing in hydraulic modeling, flood risk assessment, and water resource management. Proven track record designing and implementing sustainable hydraulic infrastructure projects for public and private sector clients.

Experience

September 2018 - Now

Hydraulic Civil Engineer

CH2M Hill (now Jacobs Engineering) / Portland, OR

- Lead hydraulic modeling and design for urban flood control projects including levee systems, detention basins, and channel improvements.
- Conduct detailed floodplain analysis using HEC-RAS and HEC-HMS to support FEMA map revisions and municipal planning.
- Develop stormwater management plans to reduce runoff impacts and improve water quality in urban watersheds.
- Collaborate with environmental scientists to incorporate ecological restoration into hydraulic infrastructure designs.

July 2015 - August 2018

Civil Engineer – Water Resources

Tetra Tech, Inc. / Seattle, WA

- Performed hydraulic and hydrologic analyses to support the design of water distribution and flood mitigation systems.
- Assisted in the development of integrated watershed management plans for municipal and regional clients.

June 2013 - June 2015

Junior Hydraulic Engineer

HDR, Inc. / Seattle, WA

- Conducted site visits and surveyed existing conditions to support design development.
- Collaborated on cross-disciplinary project teams to ensure cohesive design integration.