



Michael Frolov

PE

Senior Project Manager

Department

Engineering Services

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Locations

Seattle, WA

Biography

Michael Frolov is a Senior Project Manager with over 15 years of experience, including forensic, geotechnical, and construction engineering, along with construction materials testing and inspection. He has experience with various building types and holds engineering license in numerous states. His forensic engineering experience consists of investigations of geotechnical, structural, and building envelope failures, and the analysis in building code construction and earth movement related to the distress of structural materials. Mike has experience with geotechnical instrumentation, pavement design, ground improvement methods, and subsurface soil and rock explorations. He has evaluated site drainage methods and directed and evaluated drilling operations and associated soils laboratory testing. He has completed the International Code Council (ICC) Master of Special Inspections certification program. He has also taught at Shoreline Community College as an Adjunct Instructor of Engineering and served as a Geotechnical Technical Reviewer for the Civil PE Exam at Kaplan.

Credentials

- PE | Professional Engineer

Representative Consulting Assignments

- Residential Properties | Washington | Investigated multiple soil slope movements, including landslides and mudflows, and provided repair recommendations for damaged foundations and properties
- Church | Texas | Evaluation of structural damage due to a nearby hospital explosion
- Floating House | Idaho | Investigated a partially sunken structure in support of litigation
- Commercial and Residential Structures | Washington | Determined the extent of damage to various buildings affected by flood and wind
- Apartment Building | Washington | Investigated moisture-related damage during the construction of a multi-story building, including the evaluation of a proper dry-in construction state
- Residential Property | Hawaii | Investigated a reported sinkhole and provided ground stabilization repair options
- Dock, Commercial, and Residential Structures | South Carolina & Georgia | Determined the extent of damage to numerous structures affected by Hurricanes Matthew and Irma

Professional Experience

- 2023 - Current | Senior Project Manager | YA Engineering Services
- 2015 - 2023 | Senior Forensic Engineer | Donan Engineering
- 2013 - 2015 | Construction Engineer | Lin & Associates, Inc.
- 2011 - 2012 | Project Engineer | The Mannik & Smith Group, Inc.
- 2008 - 2011 | Staff Engineer | G2 Consulting Group, LLC

Area of Practice

- Damage Assessment
- Failure Analysis
- Repair and Rehabilitation Design
- Building Envelope
- Roofing

Education

- University of Washington - Master of Science - Geotechnical Engineering - Seattle - Washington
- Wayne State University - Bachelor of Science - Civil Engineering - Detroit - Michigan
- University of Washington - Certificate - Heavy Construction Project Management - Seattle - Washington

Licenses

- 50654 - Washington - Professional Engineer
 - 140562 - Alaska - Professional Engineer
 - 90670 - Oregon - Professional Engineer
 - 16502 - Idaho - Professional Engineer
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