



Ali Bowman

Civil Engineer

Profile

Innovation inspired Civil Engineer with five years of experience in creating green environmental solutions for new residential building projects. Number conscientious and driven by a desire to improve quality, cost, and time metrics across all projects under management. Completed a Bachelor of Science in Geotechnical Engineering and currently in the process of completing the Professional Engineering (PE) exam.

Employment History

Civil Engineer III at Industrial Construction Projects, Walnut Creek

January 2017 — Present

Replaced Excel scheduling with Snap Schedule which generated a 30% uptick in work output and decreased third-party labor costs by 25% during the last six months.

- Focus on designing solutions for monitoring water usage for rehabilitation projects conducted by mines in the area
- Responsible for surge analysis and mitigation designs
- Conduct required validation studies by building models to perform calibration and comparison activities simultaneously
- Create master plans for all stormwater infrastructure upgrades by collating draft plans from the junior engineers of the various project sites
- Design environmental efficient (green) water and sewer mains for six new gated estates

Civil Engineer II at Orion Excavation, Seneca

January 2014 — December 2016

Project lead on excavation consulting projects of between 400 million and 900 million for large scale water and sanitation projects.

- Assisting construction manager on mainly sewage rehabilitation and bridge widening projects over 50 million dollars
- Responsible for initial valuations of 10 project sites per month with accompanied damage survey reporting
- Evaluate flow impairment to waterways in the new metropolitan area and conduct risk reporting and projected damage control expenditure in case of extensive flooding or hurricanes
- Produce draft cost estimation reports for each site area using detailed location maps using ArcGIS
- Act as a community liaison to inform public and municipal agencies of upcoming projects that may affect access to roads in the area

Civil Engineer I at Smith & Robertson Commercial Building Projects, Indian Trail

January 2014 — December 2014

Details

1515 Pacific Ave, Los Angeles,
CA 90291, United States, (541)
754-3010
email@email.com

Place of birth
San Antonio

Nationality
American

Driving license
Full

Links

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Skills

Civil Engineering
Construction Management
Water Engineering
Waste & Sanitation
Infrastructure
Mathematics
STAAD Pro
AutoCAD
Autodesk Revit
Structural Design
Schematics
Building Plans
Etabs
Earth Structures
Physics
Geotechnical Engineering

Languages

English
Russian