



# 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](mailto:email@email.com)

Place of birth  
San Antonio

Nationality  
American

Driving license  
Full

## Links

[Facebook](#)  
[Twitter](#)

**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