

Ali Bowman

Civil Engineer



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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

Jan 2017 – Present

WALNUT CREEK

Civil Engineer III

Industrial Construction Projects

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

Jan 2014 – Dec 2016

SENECA

Civil Engineer II

Orion Excavation

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