



Ali Bowman, Civil Engineer

LOS ANGELES, CA 90291, UNITED STATES --
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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

Civil Engineer III, Industrial Construction Projects

Jan 2017 — Present, Walnut Creek

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, Orion Excavation

Jan 2014 — Dec 2016, Seneca

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, Smith & Robertson Commercial Building Projects

Jan 2014 — Dec 2014, Indian Trail

Consulting Engineer on more than 400 complex building projects including sports stadiums, apartment complexes, industrial buildings, and luxury hotels.

DETAILS

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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