



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

[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

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

- Upgrade annual, quarterly and monthly project schedules on Suretrak and distribute to Project Manager
- Write memos and appraise monthly expenditure bill before submitting to a government office for approval
- Assist with feasibility studies and draft schematic planning of excavation sites
- Assist with civil design work for commercial infrastructure projects
- Check calculations of structural design for concrete material requirements relating to beams, columns, and foundations
- Coordinate construction activities between Senior Civil Engineers and Site Managers

Education

Professional Engineering (PE) Exam, National Council of Examiners for Engineering and Surveying (NCEES), Seneca

June 2019 — Present

Masters of Science in Civil Engineering, Georgia Institute of Technology, Atlanta

July 2015 — November 2017

Achieved Summa Cum Laude

Majors: Geotechnical Engineering, Soil Composition, Geology

Bachelor of Science in Civil Engineering, California State University, Los Angeles

January 2011 — June 2014

GPA of 3.75

Curriculum: Construction Planning, Engineering of Earth Structures, Advanced Construction Methods, and Techniques

Overall Top performer in Construction Planning

Courses

AutoCAD Level II, CAD Masters Inc., Walnut Creek

June 2018 — August 2018

Advanced Civil 3D and Reality Capture, CAD Masters Inc., Sacramento

May 2016 — July 2016