

Ali Bowman, Civil Engineer

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Place of birth	San Antonio	Driving license	Full
Nationality	American		

LINKS [Facebook](#), [Twitter](#)

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 **Civil Engineer III, Industrial Construction Projects** 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

Jan 2014 — Dec 2016 **Civil Engineer II, Orion Excavation** 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

Jan 2014 — Dec 2014 **Civil Engineer I, Smith & Robertson Commercial Building Projects** Indian Trail

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
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EDUCATION

Jun 2019 — Present **Professional Engineering (PE) Exam, National Council of Examiners for Engineering and Surveying (NCEES)** Seneca

Jul 2015 — Nov 2017

Masters of Science in Civil Engineering, Georgia Institute of Technology

Atlanta

Achieved Summa Cum Laude

Majors: Geotechnical Engineering, Soil Composition, Geology

Jan 2011 — Jun 2014

Bachelor of Science in Civil Engineering, California State University

Los Angeles

GPA of 3.75

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

Overall Top performer in Construction Planning

SKILLS

Civil Engineering

Structural Design

Construction Management

Schematics

Water Engineering

Building Plans

Waste & Sanitation Infrastructure

Etabs

Mathematics

Earth Structures

STAAD Pro

Physics

AutoCAD

Geotechnical Engineering

Autodesk Revit

COURSES

Jun 2018 — Aug 2018

AutoCAD Level II, CAD Masters Inc., Walnut Creek

May 2016 — Jul 2016

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

LANGUAGES

English

Native speaker

Russian

Highly proficient