



ALI BOWMAN

Civil Engineer 📍 LOS ANGELES, CA 90291, UNITED STATES | (541) 754-3010

◦ DETAILS ◦

1515 Pacific Ave, Los Angeles, CA
90291, United States
(541) 754-3010
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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

👤 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

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