

ALI BOWMAN

Civil Engineer

1515 Pacific Ave, Los Angeles, CA 90291, United States

(541) 754-3010

email@email.com

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

❖ **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.

- 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

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

❖ **Georgia Institute of Technology** Jul 2015 — Nov 2017
Masters of Science in Civil Engineering Atlanta

Achieved Summa Cum Laude

Majors: Geotechnical Engineering, Soil Composition, Geology

❖ **California State University** Jan 2011 — Jun 2014
Bachelor of Science in Civil Engineering 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

❖ **AutoCAD Level II** Jun 2018 — Aug 2018
CAD Masters Inc., Walnut Creek

❖ **Advanced Civil 3D and Reality Capture** May 2016 — Jul 2016
CAD Masters Inc., Sacramento

LANGUAGES

English *Native speaker* Russian *Highly proficient*