

Kevin Cardenas

Civil Engineer, EIT

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 914-382-8621

 San Francisco (Relocating to NYC)

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Civil Engineer with experience in water, wastewater, and environmental remediation projects. Passionate about contributing to social good for communities to establish resilience and adaptability.

EXPERIENCE

Design Engineer

Sherwood Design Engineers

San Francisco, CA

March 2025 – Present

Design engineer preparing calculations, reports, and design drawings for water/wastewater engineering projects.

Tasks Accomplished:

- Developed design documentation for water and wastewater projects of various size and scope, including design plan sets and technical specifications.
- Performed construction administration tasks including review of contractor submittal documents, responding to contractor requests for information, and documenting design changes.
- Prepared and contributed to engineering reports to regulatory agencies. Reports communicated goals, assumptions, and anticipated results of design varying in complexity with project intent.
- Performed quality control measures on calculations, design drawings, and report text for various projects.

Environmental Remediation Engineer

Oakland, CA

WSP USA

September 2023 – February 2025

Engineer in the field of environmental remediation conducting field and office tasks for various projects.

Tasks Accomplished:

- Continuous role in a soil vapor extraction system project, aiding in design, procurement, submittal review, permit acquisition, construction oversight, and development of an operation, monitoring, and maintenance plan.
- Conducted operation, monitoring, and maintenance activities for a groundwater extraction and treatment system, including inspections of system components and sampling to monitor contaminant concentrations.
- Contributed to the design of a soil excavation project, including the development of computer aided design drawings and technical specifications.
- Managed coordination of sampling events, analysis of lab data, and preparation of reports to regulatory agencies.

College Aide

Queens, NY

New York City Department of Environmental Protection

September 2019 – December 2019

Internship in the Bureau of Wastewater Treatment consisting of collaborating with engineers as part of the Process Research and Optimization team, and the Office of Special Projects team

Tasks Accomplished:

- Conducted research on PFAS as an emerging contaminant of concern and its impact to NYC's wastewater treatment process.
- Assisted in design of disinfection system upgrades at multiple wastewater resource recovery facilities.
- Aided in the development of CAD drawings for piping designs using Autodesk's AutoCAD.

EDUCATION

Columbia University

New York, NY

Bachelor of Science in Civil Engineering

2021 – 2023

Concentration in Water Resources/Environmental Engineering

CUNY Queens College

Queens, NY

Bachelor of Arts in Computer Science

2018 – 2021

Minor in Mathematics

Minor in Environmental Science

TECHNICAL SKILLS

AutoCAD, Bluebeam Revu, Civil3D, Google Suite, Microsoft Suite, Python