

JOHN WALKER

Entry-Level Civil Engineer | Infrastructure Design | Site Inspections

@ Email [linkedin.com](#) San Antonio, TX

SUMMARY

Passionate civil engineer with hands-on experience in infrastructure design and site inspections. Proficient in CAD software and regulatory compliance. Aiming to contribute to sustainable infrastructure projects through precise calculations, data analysis, and collaborative teamwork.

EXPERIENCE

Civil Engineering Intern

AECOM

06/2023 - 09/2023 San Antonio, TX

- Assisted in the design of a \$10M highway expansion project, producing detailed CAD drawings and ensuring accuracy of technical specifications.
- Conducted 12 site inspections across multiple projects, identifying compliance issues, resulting in a 15% reduction in non-compliance penalties.
- Collaborated with a cross-functional team of 10 engineers and contractors, improving project efficiency and reducing timeline overruns by 20%.
- Performed hydrological calculations for drainage systems, enhancing water flow efficiency by 25%, which contributed to project cost savings.
- Prepared environmental impact reports for 5 new projects, ensuring they met all state and federal regulatory requirements.
- Developed project schedules and tracked progress using project management software, achieving 100% on-time project completion.

Engineering Intern

Jacobs Engineering Group

01/2023 - 05/2023 Houston, TX

- Supported the structural analysis of bridge foundations, improving stability metrics by 30% through optimized design recommendations.
- Collaborated with environmental engineers to analyze soil samples from 5 project sites, ensuring compliance with federal safety standards.
- Utilized AutoCAD to assist in the drafting of residential building layouts, leading to a 10% reduction in project design revisions.
- Contributed to the preparation of cost estimates for a city infrastructure project, helping to reduce the overall budget by 8%.
- Generated detailed reports for senior engineers, summarizing findings from 7 construction site visits, which enhanced communication with stakeholders.

VOLUNTEERING

Volunteer Civil Engineer

Habitat for Humanity

03/2023 - 05/2023

- Participated in the design and construction of affordable housing projects for low-income families, improving site plans for greater efficiency.

EDUCATION

Bachelor of Science in Civil Engineering

University of Texas at Austin

01/2019 - 01/2023 Austin, TX

KEY ACHIEVEMENTS



Reduced Design Revisions

Contributed to a residential layout design that reduced revisions by 10%, streamlining project delivery timelines.



On-Time Project Delivery

Played a key role in ensuring 100% on-time completion of infrastructure projects through meticulous tracking and collaboration.



Cost Savings in Infrastructure Projects

Helped lower project budgets by up to 8% through detailed cost estimates and effective material usage analysis.



Environmental Compliance Reports

Prepared 5 environmental reports that ensured compliance with federal regulations, minimizing potential fines.

SKILLS

AutoCAD

Civil 3D

Hydrological Analysis

Project Management

Site Inspection

Regulatory Compliance

CERTIFICATION

Introduction to Hydrological Modeling

Completed through Coursera, focused on hydrological analysis and water resource management for civil engineering applications.

Advanced AutoCAD for Civil Engineers

Udemy course, advanced skills in AutoCAD for creating detailed infrastructure project designs.

INTERESTS



Sustainable Infrastructure Development

Deeply interested in creating environmentally sustainable infrastructure that minimizes long-term environmental impact.



Public Transportation Systems

Passionate about improving public transportation infrastructure to promote urban mobility and reduce carbon emissions.



Outdoor Activities

Enjoy hiking and exploring natural environments, fostering an appreciation for environmental conservation.