Ezekiel Olson

Entry Level Water/Wastewater Engineer

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STRENGTHS

Creative Problem-Solving
Cultivated a knack for devising innovative solutions during research challenges, proving adaptability among diverse roles.

Collaboration
Frequently engaged interdisciplinary teams in projects, integrating varying perspectives that strengthened final outcomes.

Effective Communication
Validated ideas through well-crafted presentations winning praise for clarity, ultimately securing stakeholder confidence.

Detail-Oriented
Approached all aspects of projects with great care, attaining high levels of accuracy that benefitted operational execution.

Adaptability
Thrived in environments with shifting dynamics, maintaining focus which inspired those around me to meet shared goals.

SKILLS

Hydraulic Modeling | AutoCAD | Data Analysis | Regulatory Compliance | Project Documentation | Effective Communication | Field Data Collection | Wastewater Treatment | Design Software Proficiency | Stormwater Management | Feasibility Studies | Research Skills | Mobile Apps Development | Team Projects | Presentation Skills

SUMMARY

Motivated civil engineering professional experienced in water and wastewater systems through academic projects and internships. Proficient in hydraulic modeling, system design, and regulatory compliance documentation. Demonstrated ability to communicate effectively with stakeholders, ensuring project success and adherence to industry standards. Eager to leverage engineering principles for sustainable solutions in water resource management. Committed to meaningful work that aligns with values of environmental stewardship and community impact within the field.

EDUCATION

Bachelor of Science in Civil Engineering

University of California, Sacramento | GPA: 3.5 | 2026 | Sacramento, CA

Coursework: *Hydraulics, Environmental Systems, Water Resources Engineering, Urban Drainage Design*

TECHNICAL SKILLS

- **Modeling Tools:** HEC-RAS, AutoCAD, EPANET
- **Programming Languages:** Python, JavaScript, SQL
- **Documentation Standards:** ISO 9001, ASCE Standards, AWWA Guidelines
- **Data Analysis Frameworks:** Excel, MATLAB, R
- **Quality Control Procedures:** Statistical Process Control, Six Sigma, Root Cause Analysis
- **Laboratory Equipment:** Spectrophotometers, Turbidimeters, pH Meters
- **Project Management Tools:** Trello, Microsoft Planner, Asana
- **Simulation Software:** MODFLOW, CADN2, Green Infrastructure modeling tools
- **Research Methodologies:** Field Surveys, Case Study Analysis, Experimental Design
- **Environmental Regulations:** Clean Water Act, Safe Drinking Water Act, Resource Conservation and Recovery Act

EXPERIENCE

Water Management Design Intern

University Project | June 2025 – August 2025 | Sacramento, CA

Supported the design and analysis of stormwater systems focusing on flood mitigation strategies while enhancing efficiency in water resource management protocols. Collaborated across teams to ensure quality outputs aligned with sustainability objectives and technical requirements.

- Designed a stormwater management system using hydraulic modeling techniques, improving flood control in communities significantly.
- Conducted feasibility studies for water supply systems, analyzing data to optimize resource allocation.
- Collaborated with teammates to prepare compliance documentation for capstone projects, reinforcing knowledge of regulatory frameworks.
- Engaged in essential fieldwork to collect relevant data, directly influencing project accuracy and validity.
- Presented findings to faculty and peers, receiving commendations for clarity, thoroughness, and practical implications.
- Utilized AutoCAD and HEC-RAS software for impactful design and analytical tasks in real-time.

Water Quality Analysis Research Assistant

Academic Research | September 2024 – May 2025 | Sacramento, CA

Contributed to critical research evaluating wastewater treatment processes, ensuring communication among diverse stakeholders to align methodologies with regulatory standards and enhance study credibility.

- Assisted in research focused on wastewater treatment efficiencies, significantly impacting knowledge base and practice.

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Water Management Design Intern at University Project (2 Months)
- Water Quality Analysis Research Assistant at Academic Research (8 Months)

- Developed comprehensive documentation for methodological frameworks and results, fostering transparency in research practices.
- Conducted laboratory experiments analyzing water samples, yielding insights into pollutant removal pathways.
- Collaborated closely with faculty and peers to refine research objectives, leading to stronger outcomes and collective learning moments.
- Participated in weekly research presentations that lifted communication skills and led to stronger team dynamics.
- Gained practical experience operating lab equipment tailored to water quality testing procedures, enhancing hands-on application skills.

Sustainable Water Solutions Developer

Hackathon Project | February 2025 | Remote

Led collaborative efforts to create a water conservation mobile app, providing educational resources while engaging traits of effective teamwork and innovative problem-solving.

- Directed a team to conceptualize an inventive water conservation application, reflecting strong leadership and creativity.
- Designed user interfaces emphasizing user experience while integrating functionality prioritized by community needs.
- Conducted market research to validate features that would drive app adoption, aligning development with user interests.
- Presented the project at a regional hackathon, gaining recognition for creativity and social impact potential.
- Utilized programming languages like Python and JavaScript, demonstrating versatility and a range of technical competencies.

LEADERSHIP & AWARDS

- Dean's List, 2024, 2025
- Hackathon Winner, 2025

CERTIFICATIONS

- Engineer-in-Training (E.I.T.) 2026
- Fundamentals of Engineering Exam Certificate 2026

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society, UC Sacramento
- Volunteer, Local Community Water Conservation Initiative

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST