

Grayson Wagner

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SUMMARY

Recent graduate holding a Bachelor's degree in Civil Engineering with practical exposure in transportation engineering projects. Proficient in utilizing design software including Civil 3D, creating detailed engineering drawings, and performing data analyses under supervision. Strong focus on teamwork and effective communication. Experienced in project collaboration from conception through execution, ensuring alignment with academic standards. Actively engaged in drafting calculations, sketches, and organizing findings for stakeholder communication. Passionate about contributing to innovative solutions and transforming infrastructure systems that benefit communities.

EDUCATION

Bachelor's Degree in Civil Engineering
California State University, Los Angeles GPA: 3.7
Coursework: Transportation Engineering, Structural Analysis, Environmental Engineering, Fluid Mechanics

2026
Los Angeles, CA

TECHNICAL SKILLS

- Design Software:** Civil 3D, AutoCAD, SketchUp
- Data Analysis Tools:** Excel, MATLAB, R
- Engineering Methodologies:** Finite Element Analysis, Computational Fluid Dynamics, Statistical Methods
- Project Management Tools:** Trello, Asana, Microsoft Project
- Documentation Standards:** ISO 9001, ASCE Guidelines, AASHTO Specifications
- Presentation Tools:** PowerPoint, Google Slides, Prezi
- Modeling Techniques:** 3D Modeling, Simulation Software, GIS Applications
- Learning Frameworks:** 22nd Century Learning, STEM Education Practices, Inquiry-Based Learning
- Material Testing Methods:** Concrete Cylinder Tests, Soil Properties Assessment, Aggregate Gradation
- Quality Assurance Protocols:** Peer Review Process, Documentation Accuracy Standards, Compliance Audits

SKILLS

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|--------------------------|-------------------------|------------------------|-------------------------|
| • Civil 3D | • Project Collaboration | • Schematic Drawing | • Presentation Skills |
| • Microsoft Office Suite | • Communication Skills | • Data Visualization | • Urban Planning |
| • Data Analysis | • Technical Writing | • Statistical Analysis | • Environmental Systems |
| • Engineering Design | • Sketching | • Problem-Solving | |

EXPERIENCE

Civil Engineering Intern
University Project

June 2025 - July 2026
Los Angeles, CA

Supported the planning and execution of a transportation design initiative focusing on sustainable practices. Collaborated closely with faculty mentors while developing project specifications and documentation.

- Created schematic drawings and diagrams to visualize transportation solutions effectively.
- Utilized data analysis software to support engineering calculations critical for feasibility studies.
- Assisted in the preparation of comprehensive reports presenting project results to stakeholders.
- Participated actively in team discussions, contributing ideas to meet project goals efficiently.
- Conducted site assessments to gather vital data regarding existing conditions impacting designs.
- Developed a culminating report detailing project methodologies, executed processes, and outcomes presented during evaluations.

Research Assistant
Academic Research

January 2025 - May 2025
Los Angeles, CA

Engaged in hands-on research exploring sustainable construction materials and their applications within urban environments, adhering strictly to scientific methods.

- Collected and assessed various data forms to analyze usage or implementation of innovative materials.
- Contributed to manuscript development supporting findings for academic circulation.
- Collaborated extensively with faculty, refining methodologies that increased the effectiveness of experimental approaches.

- Conducted comprehensive literature reviews enhancing the rigor of project-supported claims.
- Prepared presentations sharing impactful research insights at academic conferences, facilitating knowledge dissemination.
- Improved documentation protocols ensuring clarity and precision across multiple research outputs.

Engineering Student

September 2024 - December 2024

Student Innovation Lab

Los Angeles, CA

Engaged in a capstone project crafting innovative designs addressing local environmental challenges through engineered solutions.

- Designed and developed project proposals for sustainable urban drainage systems responsive to community needs.
- Worked alongside multidisciplinary teams collaboratively producing effective engineering answers.
- Applied CAD technology to produce accurate engineering sketches and simulations predicting efficiency of designs.
- Presented project results being well-received by peers as well as seasoned professionals engaging in relevant fields.
- Facilitated peer reviews elevating project quality and integrating diverse feedback into final deliverables.
- Contributed observations ensuring best engineering practices were met continuously during teamwork sessions.

LEADERSHIP & AWARDS

- Dean’s List – Fall 2025
- Engineering Scholarship Recipient – Spring 2025

CERTIFICATIONS

- EIT (Engineer-in-Training) 📅 2027

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society
- Participant, Annual Engineering Hackathon

LANGUAGES

- English (Native)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST