

Kane Villanueva

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SUMMARY

Detail-oriented Civil Engineering graduate with hands-on experience in land development and site design through academic projects and internships. Proven skill in AutoCAD Civil 3D, adept at drafting, technical reporting, and project scheduling. Committed to delivering quality engineering solutions that positively affect communities. Strong collaborator with effective communication skills, eager to contribute within a team-oriented environment. Dedicated to continuous learning and professional growth in the civil engineering field.

EDUCATION

Bachelor of Science in Civil Engineering

2026

University of Kansas GPA: 3.8

Lawrence, KS

Coursework: Design Principles, Structural Analysis, Environmental Engineering, Project Management

TECHNICAL SKILLS

- **Design Software:** AutoCAD Civil 3D, Revit, SketchUp
- **Project Management Tools:** MS Project, Trello, Asana
- **Analytical Software:** MATLAB, Excel, ArcGIS
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Data Collection Methods:** Surveys, Interviews, Observational Studies
- **Report Writing Standards:** APA, IEEE, ASCE
- **Engineering Methodologies:** Lean, Six Sigma, Agile
- **Research Databases:** Google Scholar, JSTOR, PubMed
- **Modeling Techniques:** 3D Modeling, CAD Drafting, Simulation
- **Regulatory Standards:** AASHTO, ASTM, ISO

SKILLS

- AutoCAD Civil 3D
- Project Scheduling
- Technical Report Writing
- Team Collaboration
- Research and Data Analysis
- Environmental Compliance
- Site Design Principles
- Innovation in Engineering
- Presentations
- Community Engagement
- Sustainable Practices
- Field Observations
- Drafting Techniques
- Construction Documentation
- Data Visualization

EXPERIENCE

Civil Engineering Intern

January 2025 - May 2026

Student Innovation Lab

Lawrence, KS

Supported various land development projects by creating construction drawings and assisting in project management activities. Collaborated closely with project teams on technical reports and project schedules, gaining practical insights into design implementation.

- Developed detailed design drafts using AutoCAD Civil 3D for land development and site design tasks.
- Planned project workflows, coordinated efforts among drafters, ensuring deadlines were met on multiple projects.
- Conducted site visits to collect observational data, documenting progress during various stages of construction.
- Assisted senior engineers in elaborating project schedules and executing technical calculations as needed.
- Engaged with multidisciplinary teams in brainstorming sessions, driving creativity and innovation for project enhancements.
- Mentored junior interns, offering practical guidance and support for routine assignments related to drafting.

Capstone Project Developer

September 2024 - December 2024

University Project

Kansas City, MO

Led a capstone team focused on sustainable design practices for a community park, integrating environmental principles with local needs. The project culminated in a public presentation demonstrating real-world applications of engineering concepts.

- Implemented sustainable site design strategies, crafting innovative park layouts incorporating pathways and recreational features.
- Executed thorough research on applicable regulations and community inputs, shaping impactful project outcomes.
- Produced comprehensive project documentation, including visual models and detailed reports for stakeholder review.
- Facilitated collaboration with civic representatives to ensure designs catered effectively to community needs.
- Received commendations for exceptional application of engineering principles to foster community improvement and sustainability.
- Presented findings at seminars, enhancing awareness of sustainable design practices in academic and local circles.

Research Assistant

Academic Research

August 2023 - May 2024

Kansas City, MO

Contributed critically to groundbreaking research on stormwater management techniques, focusing on urban sustainability and innovative materials. Highlighted findings through extensive publication efforts, fostering proactive discourse in the civil engineering landscape.

- Participated in analyses targeted at optimizing conditions for green roofs and permeable pavements within urban settings.
- Collaborated with faculty on methodologies, delivering presentations synthesizing key results and predictions.
- Co-authored articles detailing research outcomes, supporting dissemination in civil engineering journals and forums.
- Interfaced with local city planners to extract urban requirements, linking theoretical work with practical challenges.
- Pioneered attentive discussions centering around advancements in eco-friendly engineering techniques.
- Refined technical writing abilities while developing clear and concise project documentation.

LEADERSHIP & AWARDS

- Dean's List, University of Kansas (2024)
- Dean's List, University of Kansas (2025)
- First Place, Engineering Design Competition (2025)

CERTIFICATIONS

- Engineer-in-Training (EIT) 📅 2026
- Certified AutoCAD Civil 3D User 📅 2026

PROFESSIONAL AFFILIATIONS

- President, Civil Engineering Student Society (2025-2026)
- Member, University Sustainability Committee (2024-2026)

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST