Andrei Clarke

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SUMMARY

Current civil engineering student driven to apply academic knowledge through hands-on experience. Proven ability in AutoCAD and Microsoft Office Suite, complemented by a solid grasp of engineering principles. Passionate about wastewater management and eager to contribute while gaining valuable industry insights. Demonstrated effective communication skills and technical aptitude that enables collaboration with peers and professionals alike. Ready to assist engineers and enhance project outcomes in a dynamic work environment. Thriving on teamwork and ready to tackle challenges, focused on delivering results that improve operations.

EDUCATION

Bachelor's Degree in Civil Engineering 2027

University of Illinois Chicago GPA: 3.5 *Chicago, IL*

Coursework: *Fluid Mechanics, Structural Analysis, Environmental Engineering, Construction Management*

TECHNICAL SKILLS

- **Engineering Software:** AutoCAD, MATLAB, Revit
- **Document Management:** MS Word, MS Excel, Google Docs
- **Data Analysis Tools:** Excel, MATLAB, SPSS
- **Presentation Tools:** PowerPoint, Trello, Canva
- **Collaboration Platforms:** Google Teams, Zoom, Slack
- **Compliance Standards:** OSHA Regulations, ISO 9001, ASTM Standards
- **Environmental Impact Studies:** Sustainability Assessments, EIA, CAD Modeling
- **Field Testing Equipment:** Flow Meters, Soil Analyzers, Sampling Kits
- **Project Management Tools:** Trello, Asana, Gantt Charts
- **Research Methodologies:** Qualitative Analysis, Quantitative Research, Case Studies

SKILLS

- AutoCAD
- Microsoft Excel
- Microsoft Word
- Technical Research
- Data Management
- Communication Skills
- Time Management
- Problem-Solving

EXPERIENCE

Civil Engineering Intern

January 2026 - Present

University Project *Chicago, IL*

Focused on design and simulation efforts within cross-functional team projects, enhancing practical skills in civil engineering. Leveraged software tools like AutoCAD for developing wastewater treatment models and producing detailed technical documentation. Actively contributed to research initiatives aimed at promoting sustainable engineering practices while managing complex technical data.

- Collaborated with a team to design and simulate a wastewater treatment model using AutoCAD and specialized software.
- Conducted technical research on sustainable engineering practices, compiling data into comprehensive reports.
- Assisted in the development of project documentation, including technical manuals and design specifications.
- Organized presentations to communicate project progress and findings to faculty and peers.
- Engaged with vendors to gather information on materials and technologies for project implementation.
- Managed project timelines and deliverables to ensure on-time completion and adherence to academic standards.

Research Assistant

September 2025 - December 2025

Academic Research *Chicago, IL*

Contributed significantly to ongoing research in environmental engineering, collaborating closely with faculty members. Gained hands-on experience in laboratory environments while supporting experiments relevant to wastewater treatment technologies. Maintained rigorous documentation practices facilitating future reference and report generation.

- Supported faculty in research focused on environmental engineering, specifically in wastewater treatment technologies.
- Collected and analyzed data from laboratory experiments, contributing to the publication of findings in academic journals.
- Developed presentations summarizing research outcomes for departmental conferences and meetings.
- Assisted in maintaining lab equipment, ensuring compliance with safety regulations and operational standards.
- Documented research methodologies and results in a clear and organized manner for future reference.
- Participated in regular team meetings to discuss research progress and address challenges.

Project Developer

January 2025 - May 2025

Capstone Project

Chicago, IL

Led an innovative team-focused capstone project centered around developing a sustainable urban drainage system. Employed comprehensive assessments for site evaluations while gathering community input to ensure project relevance and support. Delivered effective presentations showcasing project achievements, reinforcing collaboration between academia and industry experts.

- Led a team in designing a sustainable urban drainage system as part of a capstone engineering project.
- Utilized AutoCAD for drafting design plans and simulations to evaluate system performance.
- Conducted site assessments and feasibility studies to support project proposals.
- Collaborated with local stakeholders to incorporate community feedback into the project design.
- Presented project findings to a panel of professors and industry experts, receiving commendations for innovation and thoroughness.
- Managed project documentation and provided updates to all team members to maintain project alignment.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois Chicago, 2025
- First Place, Engineering Design Competition, 2026

CERTIFICATIONS

- AutoCAD Certification 2026
- OSHA 10-Hour Safety Training 2026

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers, 2025 – Present
- Volunteer, Habitat for Humanity, 2025

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST