

Catherine Norman

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SUMMARY

Dedicated Environmental Science student with hands-on experience through projects focused on water resources and ecological sustainability. Proven ability to collaborate effectively in team environments, conducting research and fieldwork to support environmental compliance and community improvement initiatives. Eager to learn and grow professionally while contributing positively to environmental projects that enhance community infrastructure. Strong problem-solving skills paired with meticulous attention to detail guarantee quality outcomes. Ready to engage in diverse project types while leveraging academic knowledge alongside real-world applications in the environmental sector.

EDUCATION

Bachelor of Science in Environmental Science

2026

University of Illinois at Chicago GPA: 3.8

Chicago, IL

Coursework: Water Quality Management, Ecology, Environmental Policy, GIS Applications

TECHNICAL SKILLS

- **GIS Software:** ArcGIS, QGIS, Survey123
- **Field Data Collection Tools:** GPS, Tablets, Sampling Kits
- **Analysis Methodologies:** Statistical Analysis, Desktop Analysis, Research Protocols
- **Environmental Compliance Tools:** Historical Water Quality Data, Regulatory Guidelines, Green Infrastructure Assessments
- **Mapping Resources:** Wetland Mapping, Floodplain Evaluation, Habitat Condition Assessments
- **Collaboration Platforms:** Microsoft Teams, Google Workspace, Zoom
- **Reporting Tools:** Data Sheets, Photo Logs, Electronic Reporting Forms
- **Project Management Software:** Trello, Asana, JIRA
- **Public Speaking:** Presentation Design, Public Engagement, Report Delivery
- **Field Inspection Techniques:** Site Evaluations, Stream Inspections, Invasive Species Identification

SKILLS

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|--------------------------|-------------------------|------------------------|-------------------------|
| • GIS | • Field Data Collection | • Scientific Methods | • Ecosystem Assessment |
| • Environmental Research | • Report Writing | • Statistical Tools | • Water Quality Testing |
| • Data Analysis | • Regulatory Compliance | • Community Engagement | • Spatial Mapping |
| • Team Collaboration | • Desktop Analysis | • Mobile Technologies | • Project Management |

EXPERIENCE

Environmental Research Assistant

January 2026 - Present

University Project

Chicago, IL

Supported environmental studies by focusing on watershed health through detailed data analysis and reporting. Engaged with peers on various initiatives related to stormwater management. Continuous collaboration with faculty enhanced project scope and outcomes, building a solid foundation for hands-on learning in environmental science.

- Conducted desktop-level screening using historical water quality records to evaluate watershed health.
- Collaborated with peers in compiling reports that assisted local authorities with assessment determinations.
- Utilized GIS tools efficiently for spatial data analyses, aiding in resource management strategies.
- Participated in field inspections, documenting natural habitat conditions for future reference.
- Prepared presentation materials geared towards local stakeholders, fostering awareness of environmental matters.
- Implemented mobile technology for accurate field data collection improving monitoring processes.

Capstone Project Developer

September 2025 - December 2025

University Project

Chicago, IL

Led a collaborative capstone initiative centered on urban runoff impacts on water quality. Engaged with community members' insights to enrich research validity. This comprehensive endeavor benefitted both academic evaluation and community results while enhancing personal consultation skills throughout community engagement efforts.

- Directed team assessments focused on understanding urban runoff via practical field data collections.
- Developed thorough documentation detailing methods and actionable recommendations for local agencies.
- Facilitated conversations with community members, ensuring relevancy in research outcomes impacting policies.

- Employed statistical analysis techniques for trend evaluations leading to better decision-making frameworks.
- Coordinated extensively with faculty to meet rigorous academic standards during project developments.
- Sharpened teamwork skills and public advocacy through established networks in collaborative settings.

Student Lab Assistant

January 2025 - May 2025

Academic Research

Chicago, IL

Assisted laboratory experiments aimed at studying pollution's ecological effects, contributing significantly toward ongoing environmental research. This experience built proficiency in scientific methodologies while supporting collaborative projects and outreach efforts.

- Facilitated laboratory studies analyzing pollution impact, collaborating closely with researchers.
- Executed precise data entry coupled with adherence to scientific protocols gathering critical information.
- Contributed actively during weekly meetings addressing key project milestones with fellow students.
- Helped prepare scholarly research papers submitted to conferences promoting networking and shared findings.
- Made effective outreach materials simplifying complex research topics for broader community engagement.
- Acquired hands-on experience with laboratory testing protocols assuring high safety standards.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois at Chicago (2025)
- Recipient of the Environmental Science Scholarship (2025)

CERTIFICATIONS

- CPR and First Aid Certified 📅 2026
- GIS Fundamentals Certificate 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Environmental Science Club, University of Illinois at Chicago (2025 – Present)
- Volunteer, Chicago River Cleanup Initiative (2026)

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST