



# Ivan Thompson

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## SUMMARY

Recent graduate armed with a Bachelor's in Civil Engineering from University of Illinois at Chicago, specializing in structural inspection and transportation infrastructure. Passion stems from hands-on field inspections, coupled with a strong proficiency in preparing detailed inspection reports using engineering software. Collaboration amplifies strengths; working closely with seasoned engineers builds both knowledge and the ability to effectively address challenges. Daily tasks have included ensuring compliance with safety standards during site evaluations and documenting observations accurately. Eager to leverage background and contribute positively to bridge and structural projects.

## EDUCATION

### Bachelor of Science in Civil Engineering

University of Illinois at Chicago | GPA: 3.8

2026

Chicago, IL

*Coursework: Structural Analysis, Construction Materials, Transportation Engineering, Environmental Design*

## TECHNICAL SKILLS

- **Engineering Software:** AutoCAD, Civil 3D, MATLAB
- **Office Suites:** Microsoft Office Suite, Google Workspace, LibreOffice
- **Project Management Tools:** Trello, Asana, JIRA
- **Inspection Methodologies:** Bridge Inspection, Structural Evaluation, Condition Assessment
- **Documentation Standards:** PDF Documentation, Technical Routing, Quality Controls
- **Analytic Techniques:** Statistical Analysis, Data Interpretation, Forecasting Models
- **Communication Tools:** Slack, Microsoft Teams, Email
- **Quantity Estimation Methods:** Cost Estimation, Time Tracking, Resource Management
- **Inspection Equipment:** Theodolite, Laser Level, Measuring Tape
- **Environmental Effects Studies:** Durability Testing, Stress Analysis, Material Behavior

## SKILLS

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|--------------------------|---------------------------|--------------------------|-----------------------|
| • AutoCAD                | • Field Inspection        | • Technical Reporting    | • Quality Assurance   |
| • Civil 3D               | • Structural Analysis     | • Transportation Systems | • Load Ratings        |
| • Microsoft Office Suite | • Condition Assessment    | • Regulatory Compliance  | • Design Computations |
| • Adobe PDF              | • Documentation Standards | • Data Entry             | • Sketch Preparation  |

## EXPERIENCE

### Civil Engineering Intern

June 2025 - May 2026

University Project

Chicago, IL

Assisted in executing field inspections of diverse transportation structures under expert supervision, emphasizing adherence to safety and regulatory mandates. Gained valuable exposure and insight into industry best practices while ensuring project quality.

- Supported various transportation structure assessments by collecting precise measurements and configuring documentation aligned with stipulated agency guidelines.
- Collaborated alongside senior engineers to compile thorough inspection and evaluation reports highlighting structural conditions and recommended actions for remediation.
- Employed AutoCAD and Civil 3D efficiently, producing accurate sketches and documentation based on observation and computation of structural elements.
- Facilitated a review of previous inspection records which boosted workflow efficiency through improved strategies for data management.
- Engaged actively in team strategy sessions yielding enhancement opportunities in data entry processes for report integrity across disciplines.
- Ensured completion of all duties under demanding timelines, exhibiting readiness for any required nighttime or weekend inspections as dictated by project needs.

### Research Assistant

January 2025 - May 2025

Academic Research

Chicago, IL

Contributed to a pivotal research project regarding environmental impacts on bridge integrity, enhancing understanding of lasting material effects through applied analytic strategies and demonstrating a commitment to pushing forward findings within academic circles.

- Participated actively in investigating correlations between environmental factors and structural durability of bridges through rigorous data analysis and experimental observation.
- Created dynamic visual presentations of analytical outcomes using Microsoft Office Suite and Adobe PDF to engage audiences during symposiums.
- Coordinated drafting methodologies that aligned with university investigation protocols ensuring scientific rigor was upheld consistently throughout the project.
- Initiated numerous hands-on experiments showcasing practical applications of theoretical concepts around structural behavior comparative handling.
- Contributed significantly towards development of publishable papers reflecting detailed findings, culminating in presentations at local conferences with faculty recognition.
- Demonstrated ability to break down complex technical data into digestible concepts for wider academic community consumption.

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## LEADERSHIP & AWARDS

- Dean's List, University of Illinois at Chicago, 2024-2026
- First Place, Civil Engineering Design Competition, 2025

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## CERTIFICATIONS

- Engineer-In-Training (E.I.T.) Certification 📅 2027
- OSHA Safety Training Certification 📅 2025

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## PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society, 2023-2026
- Volunteer, Habitat for Humanity, 2025

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## LANGUAGES

- English (Native)
- Spanish (Intermediate)

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## ADDITIONAL INFORMATION

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

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## REFERENCES

AVAILABLE ON REQUEST