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# William Polenc-Busby

Technical Staff II

## About William

William Polenc-Busby assists with condition assessments, field investigations, testing, commissioning, and repair design in both structural and architectural applications at Raths, Raths & Johnson, Inc.

Throughout his education at the Illinois Institute of Technology (IIT), William pursued a wide range of subjects, including architectural design, structural design, materials testing, building science, and mechanical, electrical, and plumbing (MEP) systems. During this time, William applied his breadth of skills in a variety of design projects, including a winning entry at the Department of Energy's team-based Solar Decathlon Design Competition.

During his graduate studies, William worked closely with IIT's Civil, Architectural, and Environmental Engineering (CAEE) Department, as a Teaching Assistant in a material testing laboratory. He also played a vital role in designing the Department's upcoming environmental chamber installation, facilitating research and hands-on learning.

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## Education

Master of Engineering in Structural Engineering, 2022  
Illinois Institute of Technology

Bachelor of Science in Architectural Engineering, 2022  
Illinois Institute of Technology

## Licensure | Certifications

Construction Documents Technologist (CDT)

## Honors & Awards

1st Place Retail Division, Department of Energy Solar  
Decathlon Design Challenge (2021)

## Professional Affiliations

Construction Specifications Institute (CSI)

American Society of Heating, Refrigerating, and Air-  
Conditioning Engineers (ASHRAE)

Tau Beta Pi Engineering Honor Society, IL Beta  
Past Executive Member