

# TYLER W. SMITH

Wilton, Connecticut 06897 • 203.451.7325 • tsmith417@gatech.edu • linkedin.com/in/99tylersmith • U.S. Citizen

## EDUCATION

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**GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering** **Atlanta, Georgia**  
**Master of Science in Civil Engineering** GPA: 4.00 *December 2023*  
**Bachelor of Science in Civil Engineering** GPA: 3.65 *December 2022*

- Minor: Engineering & Business through the Denning Technology & Management Program
- Concentration: Structural Engineering
- Chi Epsilon – Civil Engineering Honors Society
- Relevant Coursework: Product Development, Emerging Technologies, Finance & Investments, Structural Steel Design

## PROJECTS

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**CATERPILLAR INC.** **Atlanta, Georgia**  
**Market Analysis of 3D Printed Construction Industry** *August 2021 – May 2022*

- Conducted 40+ interviews with companies in the space to gain a better understanding of their business strategy
- Drafted a report to provide Caterpillar with an actionable plan to enter the space while following their OPACC guidelines
- Visited 4 companies to gain a better understanding of their physical product and their growth potentials

**GEORGIA INSTITUTE OF TECHNOLOGY** **Humapirhua, Bolivia**  
**Engineers in Action Bridge Build** *February – May 2019*

- Designed and constructed 30 meters suspended pedestrian bridge in Bolivia with a team of ten students
- Managed the Quality Control for the entire bridge build by monitoring the concrete mixing and measuring the final bridge
- Spanish translator for the team during the construction process with the locals and at the markets when purchasing supplies

## PROFESSIONAL EXPERIENCE

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**THORNTON TOMASETTI** **New York, New York**  
**Structural Engineer** *May – August 2022*

- Designed a new canopy structure using SAP2000 and reinforcement for the existing structure supporting the canopy
- Attended seminars to learn more about new technology and innovations in the structural engineering space
- Lead coordination meetings regarding column locations and terminations in New Terminal One for JFK airport

**SHEAR STRUCTURAL** **Atlanta, Georgia**  
**Structural Engineer** *May – August 2021*

- Modeled the Georgia Judicial Building in Revit from existing 1951 drawings
- Communicated with architects to design the building to utilize the space as efficiently as possible

**AECOM** **Atlanta, Georgia**  
**Bridge Engineer Intern (Remote)** *May – August 2020*

- Designed the deck and edge beams for two new bridges in the state of Georgia
- Assisted in the rehabilitation design and pricing reports of eight bridges through the Georgia Department of Transportation

**LANDTECH** **Westport, Connecticut**  
**Assistant Civil Engineer** *May 2018 – August 2019*

- Created three-dimensional pond and wetlands model using Civil 3D utilizing elevations provided by a surveyor
- Gained valuable experience from seasoned engineers while copying surveying and designing plots

## LEADERSHIP

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**GEORGIA INSTITUTE OF TECHNOLOGY** **Atlanta, Georgia**  
**Vice President / Engineers in Action** *August 2018 – August 2021*

- In charge of recruitment and weekly meetings for the club during the school year
- Coordinated donations into the club's Georgia Tech Student Foundation investment account with Georgia Tech
- Helped improve group's campus engagement as well as name recognition throughout campus
- Planned virtual recruitment for the Fall of 2020 through the virtual club fair and through the social media pages

## SKILLS/INTERESTS

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**Technical:** Revit, RAM, SAP2000, Enercalc, AutoCAD, Civil 3D, MATLAB, Java, Advanced Microsoft Office Suite  
**Affiliations:** Engineers in Action, American Society of Civil Engineers, Georgia Tech Men's Lacrosse, Pi Kappa Phi  
**Awards:** Holland-Roller Scholarship, AP Scholar with Distinction, SOW Engineers Award, Seal of Biliteracy (Spanish)  
**Interests:** Golf, SCUBA diving, Lacrosse, Soccer, Skyscrapers, Community Service