

Aditi Chockalingam

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Education

University of Illinois at Urbana-Champaign Bachelor of Science in Civil and Environmental Engineering Minor in Business in Gies College of Business Coursework: Construction Management, Environmental Engineering, Energy and Global Environment, Engineering Graphics and Design	May 2025 GPA: 3.5/4.00
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Internship Experience

M.A. Mortenson Engineering Field Intern	May 2023 – July 2023
<ul style="list-style-type: none">Lead mechanical and electrical scopes utilizing engineering software and communicating with the crew and general foremen.Managed invoices, authored subcontractor contracts and prepared major and minor incident reports.Performed professional engineering responsibilities in a fast-paced environment with 12-hour work days, 5 days a week.	

Leadership Experience

American Society of Civil Engineers – University of Illinois Chapter <i>President</i>	December 2021 – Present December 2023 – Present
<ul style="list-style-type: none">Manages the internal and external endeavors of the RSO while delegating tasks, overseeing financials, and providing support to all board members to ensure a successful yearMaintains good relationships with the student organization administration by completing necessary tasks and keeping up to date with changes that may affect the RSO	
<i>External Vice President</i>	January 2023 – December 2023
<ul style="list-style-type: none">Implemented a sponsorship-based system to streamline company partnerships, increasing incoming funds by 50%.Coordinated general meetings and company events, writes sponsorship contracts, and leads the Engineering Open House effort.Managed a team of 4 officers in the external division and delegates tasks to increase team efficiency and success.Developed a comprehensive semester schedule along with contingency plans one semester ahead, contributing to the seamless execution of a successful semester with minimal challenges.	
<i>Industry Chair</i>	December 2021 – December 2022
<ul style="list-style-type: none">Used alumni and student connections to communicate with companies, organize meetings, company events and gain sponsorships.	
Illinois Solar Decathlon <i>Sponsorship Director Construction Management team (CM team)</i>	August 2023 – Present
<ul style="list-style-type: none">Utilizes network to obtain monetary sponsorships and product donations, and manages financials for the Build teamCollaborate with 80 Build team members to fully design and build a net-positive house as part of the CM team with 6 members.	
Citizens' Climate Lobby <i>Youth Team Co-Lead School Outreach Lead</i>	May 2020 – August 2022
<ul style="list-style-type: none">Contacted, lobbied and presented The Energy Innovation and Carbon Dividend Act to 3 representatives of congress and schools in 2 cities resulting in 1 district wide climate resolution. The bill passed in the House of Reps.Implemented organizational systems for a team of 12 to maintain team efficiency, increasing productivity by 95%.	

Project Experience

Coral Reef Restoration Research Assistant	January 2023 – Present
<ul style="list-style-type: none">Experiments with different combinations of polycarbonate mixes while incorporating inorganic particles to create coatings that improve underwater conditions and foster coral larvae settlement.	
ASCE Regional Conference and Student Symposium <i>Land Surveying Team Member</i>	January 2022 - April 2023
<ul style="list-style-type: none">Competed with 5 people in civil fieldwork competitions like pacing, leveling, creating a topographical map on Civil3D etc and trained in using specialized equipment such as a total station.	
<i>Sustainable Solutions Team Captain</i>	January 2023 – April 2023
<ul style="list-style-type: none">Led a team of 4 students to redesign a given plot of land with sustainability measures like LEED on SketchUp.	
3D Printing Concrete Research Assistant	February 2022 – December 2022
<ul style="list-style-type: none">Conducted experiments, identified, solved issues concerning the rheology of concrete and interlocking mechanism of aggregate.	
US EPA Campus Rainworks Challenge Team	September 2021 - December 2021
<ul style="list-style-type: none">Proposed a green infrastructure solution to an area on campus; calculated annual rainfall, stormwater runoff and cost estimations for stormwater management products on our site, gathered funding research, contacted funding groups.	

Applicable Skills, Honors & Awards

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- Awards:** 1st out of 16 schools in Field Surveying at ASCE Conference (2023), 3rd overall in Surveying out of 16 and 14 schools at ASCE Conference (2023, 2022), Honorable Mention in nationwide US EPA competition
 - Applications:** Autodesk Revit, Civil3D, Microsoft Suite, SketchUp, BlueBeam, ArcGIS, Procore
 - Programming Languages:** Python, MATLAB, R