

# DION SHEN

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## EDUCATION

**University of Illinois at Urbana-Champaign**

**May 2025**

*Bachelor of Science in Civil and Environmental Engineering*

*GPA: 3.7/4.0*

- Chi Epsilon Civil Engineering Honor Society
- James Scholar

## PROJECT HIGHLIGHTS

**Project Manager, *Engineers in Action Bridge Program***

Aug 2021 – Present

- Oversaw the construction and safety operations of a 216-foot suspended footbridge in Eswatini, Africa
- Negotiated team reports and developed a construction plan for over 70 community members
- Spearheaded a team of five students to develop, design and build a 100-foot bridge project in Bolivia

**Lead Construction Supervisor, *Earthquake Engineering Research Institute***

Aug 2021 – Present

- Coordinated the construction process of a wooden 20-story scale model tower
- Measured the towers' structural stability in ETABS and designed all the parts in AutoCAD
- Facilitated shipment and laser cutting procedures of balsa wood for competitive use

**Team Captain, *Systems Engineering and Design***

Aug 2021 – May 2022

- Modelled the structural and architectural components of the Civil Engineering Student Centre in Revit
- Lead three teammates through the full designing and modelling process of our structure
- Created a file organization strategy to link Revit files which avoided constant glitching

## EXTRACURRICULAR & LEADERSHIP

**Assistant Tutor, *Lego Masters***

Aug 2022 – Present

- Taught STEM concepts to 4<sup>th</sup> and 5<sup>th</sup> graders utilizing Lego Education sets
- Created and organized weekly lesson and reflection plans for 24 students

**Treasurer, *Earthquake Engineering Research Institute***

Aug 2021 – Present

- Revitalized chapter's monetary approach by streamlining costs after three years of inactivity
- Financed expenses for minimal use of funds in the Structural Design Competition
- Modified previous years' funding plan by optimizing our budget for each fiscal year

**Industry Chair, *Engineers in Action Bridge Program***

Aug 2021 – Present

- Planned and executed funding schemes to secure potential sponsors at career fairs
- Presented to four corporate sponsors to obtain additional financing for bridge construction

## TECHNICAL SKILLS

**Applications:** Revit, AutoCAD, ETABS, Sketchup

**Programming Languages:** Python, MATLAB

**Languages:** Mandarin, Cantonese