

# Jessica Nutter

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## Education

**University of Illinois, Urbana-Champaign, IL**  
Bachelors of Science in Mechanical Engineering

**May 2023**  
**GPA 3.3 / 4.0**

## Experience

**Caterpillar Inc.**

**July 2021 - Present**

*Parallel Co-op Engineer*

- Applied several design changes integrating a wet-disc braking system into the Caterpillar 777 Off-Highway Truck to improve cost-efficiency, safety, and to upgrade the overall machine
- Utilized Creo Parametric 4 and TeamCenter to simulate motion analyses, locate and revise any areas of speculated failure in the braking system, and other various tasks given

**University of Illinois at Urbana-Champaign**

**Fall 2022, Fall 2023**

*Engineering Learning Assistant (ELA)*

- Initiate, facilitate, and moderate classroom discussions and lessons twice a week
- Act as a group of students' first line of contact and primary mentor regarding their first collegiate year and aiding in their transition from secondary school to higher academics
- Maintain student progress and regularly provide appropriate feedback on all assignments

## Leadership

**Theta Tau Co-ed Professional Engineering Society**

**July 2021 - July 2022**

*Corresponding Secretary*

- Oversee all alumni and inter-collegiate relationships between chapters and alumni of all generations located around the country
- Organize multiple large events for alumni weekend and coordinate Theta Tau regionals alongside other members of the national executive board of the fraternity

**Pi Beta Phi Fraternity for Women**

**Jan 2021 - Nov 2022**

*Director of Leadership*

- Manage the Leadership and Nominating Committee of 20 peer-leaders to conduct interviews and appoint members to Executive and Vice Executive positions and subcommittees
- Organize and facilitate the Officer Leadership Retreat for all members of the organization's leadership and executive positions, coordinate New Membership Education Programs, and oversee each division of leadership to ensure their jobs be fulfilled throughout the year

## Skills

Autodesk Inventor    Adobe Audition    Creo Parametric    MatLab    Fusion 360

## Honors

Senior Design Outstanding Achievement Award, University of Illinois  
Phi Eta Sigma, University Freshman Honors Society

**Dec 6, 2022**  
**2019-Present**