

Evan Hoerl

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Education

MECHANICAL ENGINEERING | PURDUE UNIVERSITY | GPA 3.80/4.00

- Major: Bachelor of Science in Mechanical Engineering (Graduation Date: Fall 2021)
- Minor: Global Engineering Studies through the Global Engineering Alliance for Research and Education (GEARE)
- Awards: Purdue University Trustees Scholar, Dean's List and Semester Honors

Professional Experience

DAIMLER TRUCKS AG | CO-OP SESSION 1 | DETROIT | SUMMER 2019

- Worked on the powertrain applications group on the engine design team
- Collaborated on the design and updating of components in NX including air cleaner brackets, piston cooling jets, low cycle fatigue test fixtures, as well as packaging concepts for fan belt tensioners

DAIMLER TRUCKS AG | CO-OP SESSION 2 | STUTTGART | SPRING 2020

- Worked on the transmission gearset design group at the Daimler global headquarters in Stuttgart, Germany
- Ran a transmission and component weight audit using data from PLM software and custom made excel sorting and data entry macros
- Completed numerous tolerance stack calculations on the rotating assembly for upcoming transmission designs
- Used German language skills in daily work with the design group

SIMULATION BASED ENGINEERING LAB (UW MADISON) | SUMMER INTERN | SUMMER 2018

- Collaborated on the Project Chrono development team generating vehicle and terrain model assets for use in future simulations and autonomous vehicle controller testing
- Developed wheel meshes to determine traction on granular terrain through simulation for JPL's Robosimian

Extracurriculars

PURDUE FORMULA SAE | 2020 & 2021 CHASSIS TEAM LEAD

- Managed the Chassis division of the Purdue Formula SAE team through the design and manufacturing of the vehicle frame and driver controls
- Designed components in NX 12 and completed analysis through ANSYS and custom structures calculation tools
- Participated actively prior to stepping into a leadership position for the 2020 season

Skills & Abilities

COMPUTER AIDED DESIGN AND ENGINEERING

- NX 12 (1000+ hrs), Catia, Creo, Solidworks, Blender
- ANSYS 2019 R1

PROGRAMMING

- VBA macros for Excel and NX 12
- Python, C, MATLAB, and Linux Environment / Unix

COMMUNICATION SKILLS

- English (Native), Spanish (Intermediate), German (Intermediate)