

Nicolás Giesemann

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EDUCATION

Purdue University, West Lafayette

Bachelor of Science in Mechanical Engineering

May 2025
GPA: 3.90/4.00

Relevant Coursework

Advanced Thermodynamics, Intro to Computational Fluid Dynamics, Hydraulics, Numerical Methods
Heat and Mass transfer.

Clubs and Activities

Society of Hispanic Professional Engineers.
Pi Tau Sigma & Tau Beta Pi.

PROFESSIONAL EXPERIENCE

Maha Fluid Power Research Center

Undergraduate Research Fellow

West Lafayette, IN
May 2024 – July 2024

- Built LabView logic to control hydraulic test rig
- Assembled and instrumented control boxes for test rig and mini excavator
- Assisted in testing Hydraulic System in test rig
- Collected and processed benchmark data from mini excavator

IMMI (Center for Advanced Product Evaluation)

Test Engineering Intern

Westfield, IN
May 2023 – July 2023

- Designed and specified a foam testing machine.
- Assisted test technicians in setting up and running tests in Servo-Sled and Linear Impactor.
- Analyzed deficiencies and evaluated other uses for drop tower testing center.

LEADERSHIP & ACTIVITIES

First Year Engineering

Grader

West Lafayette, IN
August 2024 - December 2024

- Graded first year engineering assignments according to class schedule.
- Attended weekly teaching-team meetings to provide updates on progress and student performance

Pi Tau Sigma

Alumni Relations Chair

West Lafayette, IN
January 2023-May 2023

- Created an MS Excel database of Pi Tau Sigma Alumni.
- Composed monthly newsletters for Pi Tau Sigma Alumni to inform about current activities.

SKILLS & INTERESTS

Technical: Microsoft Office, MIG Welding, NI LabView, EES, Siemens Amesim.

Coding: EBEC Python certified, MATLAB, C.

Soft:

CAD: Siemens NX, Autodesk Inventor, Fusion 360, SolidWorks.

Languages: Fluent English and Spanish, Intermediate German.

Interests: Cars, Formula 1, Soccer, and Gaming.