

Gibson Cheney

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601-896-6323

EDUCATION

Bachelor of Science in Metallurgical Engineering, May 2026

The University of Alabama, Tuscaloosa, AL

Minor: Mathematics

GPA: 3.53 / 4.0

Jackson Academy, Jackson, MS, May 2022

GPA: 4.0 / 4.0

WORK EXPERIENCE

Metallurgy Co-Op, *Nucor Steel*, Tuscaloosa, AL, August 2023 - Present

- Compiled monthly reports on the meltshop's material consumption for environmental grading
- Utilized various software to draw together data on surface defects to determine the root cause of failure
- Developed a new model for SEN movement dependent on mold powder usage and casting width
- Performed analyses on corroded equipment pieces to determine root cause and create preventative practices
- Developed an improved method of scheduling grade transitions to eliminate yield loss during casting
- Presented reports on project findings and personal work experiences to supervisors and other team members

Metallurgy Intern, *Steel Dynamics Inc.*, Columbus, MS, May 2023 - August 2023

- Conducted mechanical testing of samples of varying thickness and chemistries to analyze affect on ductility
- Analyzed failed bend samples to determine if failure was due to material defect or mechanical limitations
- Performed optical and SEM microscopy on galvanized samples to determine the root cause of coating failure
- Effectively reported on processes and results of projects to mentors and supervisors

ON CAMPUS INVOLVEMENT

Treasurer, *Tau Kappa Epsilon Fraternity*, November 2023 - Present

- Oversaw the collection and usage of chapter funds with an annual budget exceeding \$200,000
- Worked with legal professionals to incorporate a non-profit entity to purchase and manage a fraternity house
- Ensured the chapter stayed in good financial standing with the university, our national offices, and the IRS
- Overhauled the "Treasurer" section of the chapter bylaws to be up to date with the needs of the chapter

Greek Ambassador, *Office of Fraternity and Sorority Life*, November 2023 - Present

- Led information sessions in regard to Greek Life at UA for prospective students and their families
- Represented the largest Greek Life Community in the US at a wide variety of university sponsored events
- Acted as a resource for students interested in joining one of over 70 Greek Life organizations on campus

Career and Co-op Ambassador, *Engineering Career Development Center*, March 2023 - Present

- Represented the University of Alabama at ECDC functions in interactions with potential employers
- Served as a peer advisor for students of all majors seeking professional development and experience
- Helped students navigate the application and interview process for the co-op program

AWARDS, HONORS, and TECHNICAL SKILLS

- Eagle Scout
- SolidWorks
- Optical Microscopy
- 2023 TKE Leadership Academy
- MS Office
- MS SQL Server
- Power BI
- 2024 AIST Steel Intern Scholar