Austin Lynch

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Education:

The University of Alabama | *Tuscaloosa, AL*   May 2023
Bachelor of Science in Mechanical Engineering & German
GPA: 3.48 / 4.00

Portland State University | *Portland, OR*   July 2019
Deutsche Sommerschule am Pazifik – German Immersion Program
GPA: 4.00 / 4.00

Work Experience:

Student Energy Efficiency Consultant – *(part-time)*   September 2020 – Present
Alabama Industrial Assessment Center | *Tuscaloosa, AL*
- Conduct detailed energy audits for small- to mid-sized manufacturers in Alabama
- Calculate savings for adjustments to lighting, motors, compressed air, and HVAC systems
- Report findings to client, including suggested implementations and expected payback
- Serve as Lead Student, responsible for assessment planning and client communication

Autonomous Technology Intern   January 2022 – June 2022
Daimler Truck North America | *Portland, OR*
- Designed a functional prototype for a proprietary autonomous trucking safety device
- Collaborated with a team of three interns to plan, budget, and define scope of our project
- Adapted existing federal transport regulations to driverless commercial vehicles

Energy & Environmental Engineering Intern   May 2021 – August 2021
Volvo Group | *Hagerstown, MD*
- Performed cost-analysis on the electrification of HVAC, heat-treat, and logistics equipment
- Mapped and reported estimates of Scope 1 and Scope 2 greenhouse gas emissions
- Supervised environmental compliance for hazardous material storage and waste disposal

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Activities and Organizations:

Theta Tau Professional Engineering Fraternity – *Elected Officer (Fall 2020)*
'Two Steps Ahead': International German Student Exchange Program – *Cohort Leader*
UA Student Engineers in Action – *Build Team Volunteer*

Skills and Competencies:

- Modeling and Simulation – Siemens NX, SolidWorks
- Geometric Dimensioning & Tolerancing – ASME Y14.5
- German Language Proficiency
- Technical Writing