

# Chris Laney

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## EDUCATION

### Northern Arizona University, Flagstaff

August 2021- Now

Mechanical Engineering Degree in progress, started Formula SAE capstone in fall 2024, graduating in the Summer of 2025 . Cumulative GPA ~2.7(to be discussed). Relevant classes: Calculus 1-3, Differential Equations, Thermodynamics, Fluid mechanics, statics, mechanics of materials, materials science, heat transfer, system dynamics, compressible flow, data acquisition. I'm particularly interested in materials science and fluid mechanics, but found all classes more or less interesting.

### Cathedral Catholic High School

August 2017 - June 2021

Graduated with engineering distinction, 3.80 weighted cumulative GPA, Cross Country and Track and Field captain for 3 semesters

## EXPERIENCE

### Academic

- Technical Writing - 2 semesters
- Project Management - 2 semester
- Solidworks and Autocad - 6 semesters combined experience, lots of experience in capstone but also in probably 10 other classes throughout the years.
- Ansys - 2 semesters experience, mostly applying to Ansys Mechanical, little experience pertaining to Ansys Fluent
- Lab experience: Physics, Chemistry, Mechanics of Materials, Machine shop trained, thermofluids, electrical engineering,
- MatLab - 4 semesters and Numerical Analysis and applying to various systems in capstone and other classes.

### Work

- Retail - 2 years in sales at Big 5 Sporting Goods in Flagstaff. Hours varied from 0-30, mostly around 15 for the school year. Pay was hourly, and I worked part time to make a little extra money while in college to build my project car. Roughly May 2023- Now.
- Formula SAE - 2 semesters experience, large and diverse team working together to design, build, develop and analyze an open wheeled racing car. Lots of experience with converting files and design iterations from this, as well as finding unique but applicable testing solutions

### Leadership

- Cross Country Team captain 2020-21
- Track & Field Team Captain 2021
- Scholarship Chair for Theta Chi at NAU 2022-23
- Vice President of Health & Safety for Theta Chi at NAU 2023-24

## Interests

I have had a lifelong interest in working on and driving cars. At some point in my professional career I want to work on/design car parts. I have done extensive maintenance and modification work on my Mazda Miata with the intention to race it in a local club series with NASA and SCCA. I am very comfortable working with my hands and jumping into new projects that I'm unfamiliar with.

## Attributes

Motivated Worker

Enthusiastic Attitude

Personable

Engineering/Technical family background

Quick learner

Efficient worker

Team player

## Skills

SolidWorks

AutoCAD

Matlab

Ansys

Machine Shop tools

Hand tools