

Eric Riley Hinds
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Objective Statement

Mechanical Engineering student seeking an internship within the engineering field.

Education

Northern Arizona University, Flagstaff AZ May 2019 - Present
Mechanical Engineering
Expected Graduation Date – December 2023
Cumulative GPA – 3.27

Work Experiences

O'Reilly Auto Parts, Flagstaff AZ June 2020 - Present
Position - Retail Sales Specialist (Manager)

- Salesman tasked with helping customers with excellent, quick, and easy service
- Oversee my team, and make sure each shift moves smoothly whilst I am there
- Learning many things about the mechanical side of vehicles and how they work
- Meeting important people within the community
- Working 8 hour shifts and on occasion 12 -14 hour shifts as well

Academic Experiences

ME 286 — Engineering Design: Process

- Tasked with creating 2 – 3 devices to be used in a competition at the end of the year
 - Flying machine, obstacle course, distance
- Placed 1st in obstacle course and top three in flying machine as well as distance

ME 386W — Engineering Design: The Method

- Design AI Learning Active Aero System
- Seek out new knowledge on coding for AI aspect.
- Strong new understanding of Aerodynamics within racing environments.

ME 476C Capstone 1 — Mechanical Engineering Design I

- Tasked with designing and manufacturing a system to control robotics with VR
 - Robotic Arm, Robotic Utility Tank, First Person View, Virtual Reality
- Basic understanding of the task at hand.
- Gain solid grounding to prepare for the next semester.

ME 486C Capstone 2 — Mechanical Engineering Design II

- Tasked with designing and manufacturing a system to control robotics with VR
 - Robotic Arm, Robotic Utility Tank, First Person View, Virtual Reality
- Use what the team learned in the previous semester to complete the task.
- Final product deadline at the end of the semester.

Related Coursework

MAT 136, 137, & 238 (Calculus I - III), MAT 239 (Differential Equations), MAT 362 (Intro to Numerical Analysis), ME 180 (Computer Aided Design), CENE 225 (Engineering Analysis), CENE 251 (Applied Mechanics Statics), CENE 253 & 253L (Mechanics of Materials / Lab), CS 122 & 122L (Programming for ENG & SCI / Lab), ECO 285 (Economics: Macro), BBA 303 (Business Management Fundamentals), EE 188 & 188L (Electrical Engineering I / Lab), EGR 186 (Intro to Engineering Design), EGR 286 (Engineering Design: Process), EGR 386W (Engineering Design: The Method), EGR 476C & 486C (Mechanical Engineering Design I & II / Capstone), ME 240 (Material Science), ME 252 (Applied Mechanics Dynamics), ME 291 & 392 (Thermodynamics I & II), ME 395 (Fluid Mechanics I), ME 365 (Machine Design I), PHY 161 & 262 (University Physics I & II)

Skills

MATLAB – Intermediate level, learned the process in CS 122 & 122L

C++ — Intermediate level, learned on my own within ME 476C (Capstone Semester 1)

Python — Beginner level, learned on my own within ME 486C (Capstone Semester 2)

Solidworks – Have achieved the level of Certified Solidworks Associate (CSWA)

Excel – Gained critical experience in the more complicated aspects for projects in ME 286

Extracurricular Activities

NAU Men's Volleyball Club (Spring 2022 – Current)

- Competitive travel volleyball team meeting every Tuesday and Thursday throughout the semester.
- Travel to NCAA Nationals to compete against other clubs.

Awards

Dean's List – Academic Spring 2021 Semester

Dean's List – Academic Spring 2022 Semester

Dean's List - Academic Fall 2022 Semester