

Robert C Gerlinger

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Education

MECHANICAL ENGINEERING | 2018-2023 | NORTHERN ARIZONA UNIVERSITY

- Senior, GPA 3.25 (Fall 2022) while working 20+ hours weekly for internship

TECHNICAL EXPERIENCE

- Solid Works
- MATLAB
- 3D Printing
- Microsoft Office

SKILLS AND ABILITIES

- Leadership
- Problem solving skills
- Communication skills both verbal and written
- Strong work ethic

Work Experience

MECHANICAL ENGINEERING INTERNSHIP | MODERN FLAMES | MAY 2020- CURRENT

- Design new products & reengineer current products in Solid Works for local manufacturing
- Meet with factory in China and owner/marketing team to assist with production and development
- Assist in project management to meet timelines
- Generated IQC and First article inspection reports as well as go no-go gauges
- Ensure manufacturing plan can meet design requirements

CURRENT PROJECTS

- **SAE Baja 2023 (senior Capstone project)**
 - Design and build a 4wd off-road Baja with \$6000 that can compete at competition.
 - Present weekly progress to client to ensure all requirements are met.
 - Work within a team of nine to complete entire project within one year.
- **ASME Lead for HPVC (Human Powered Vehicle Competition)**
 - Successfully built a HPV (human powered vehicle) in 11 months
 - Worked through setbacks in design and manufacturing using root cause analysis
 - Tested prototyping and final design to ensure client approval
 - Gained hands on experience in the engineering process and worked with a cross-sectional team
 - Competed with 40+ universities worldwide.

LIFE EXPERIENCE

- **LDS Mission- Asunción, Paraguay 2017**
 - Trained for eight weeks in Mexico City to learn and adapt to foreign cultures
 - Aided in home building and life sustaining necessities
 - Lead weekly church meetings and home visits for spiritual aspirations
- **Eagle Scout 2016**
 - Achieving Eagle Scout took 10 years of dedication and passing quarterly reviews.
 - Demonstration of character, responsibility, leadership, and community involvement