

ERIK DIMARIA

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EDUCATION

University of Northern Arizona, Flagstaff, AZ — Bachelor's Degree Spr. 2023 - Expected Date May 10th

- Major: Mechanical Engineering

- Related Coursework: Compressible Flow, Advanced Machine Design, Renewable Energy

SKILLS

- Engineering Design

- Excels in conformance schematics interpretations through CAD, as well as mathematical calculations to prove that designs will achieve its desired use.
- Used SOLIDWORKS to perform stress analysis as well as performing Mastercam on machined parts.

- Machine Operation

- Have operated and trained on a CNC mill, CNC lathe, and am currently training on MIG welding
- Compiled CAD packages for use by professors, machine operators, and peers.

- Programming Languages

- Know how to operate and create programs using the languages: C+, Python, Mathworks MATLAB

RELEVANT EXPERIENCE

SAE BAJA Build and Competition, Flagstaff, AZ — 2022 to Current

- Developed, Manufactured, and designed the drivetrain of an all wheel drive BAJA vehicle; proving that designs meet all of the requirements set by SAE BAJA rulebook, ASME, and AGMA standards/codes.
- Used Microsoft Office to implement designs and calculations allowing for easy access to other members of the team.

Solar Panel Grid Placement, Flagstaff, AZ — Oct. 2022 to Dec. 2022

- Worked with a team of 27 to develop and orient solar panels to optimize for the best performance.
- Designed selection of battery based on optimization to fit customers needs and budget.

Shift Leader Dunkin' - Flagstaff, AZ — 2020 to Current

- Prepared shift summary reports for supervisor and communicated regularly on goals and progress.
- Delivered training and leadership to teams to boost performance and help team members achieve performance targets.
- Identified team weak points and implemented corrective actions to resolve concerns.
- Resolved customer complaints and issues and offered thoughtful solutions to maintain customer satisfaction.