

Dante Anthony Faria

MECHANICAL ENGINEER

PHOENIX, AZ, UNITED STATES

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[LINKEDIN](#)

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EDUCATION

B.S. in Mechanical Engineering | Expected May 2023

GPA: 3.0

Northern Arizona University, Flagstaff, AZ 86001

- Awarded prestigious Lumberjack Scholarship granting a full tuition scholarship
- Coursework concentration includes Fluid dynamics, Thermodynamics, Machine Design, and Design for Practice
- Group Project experience for FNL High Powered Rocket Competition
 - Avionics section
 - Designed the system that could read altitude levels and blow black powder charges to split the rocket and deploy parachutes
- Boeing Autonomous Drone Weight Reduction, Senior Capstone Project
 - Team lead
 - Design and fabrication utilizing 3D adaptive manufacturing techniques to customer requirements
 - Material stress analysis using ANSYS and SOLIDWORKS
 - Manufacturing and test of prototype
 - Project planning to include scheduling, procurement, budgeting and customer reviews
 - Direct collaboration with Boeing engineers throughout design process

INTERNSHIPS

Superior Industries

May 2022 – Current

Design Engineer Intern | Prescott Valley, AZ

- Drafting with 2D AutoCAD, Design, Analysis on stationary and portable conveyors
- Design Approval work on 36" beltwidth, 130' long Channel Frame Conveyor
 - Custom Inlet hoods on skirting work points
 - Analysis for support with dead loads, live loads, and wind loads
- Final Design work on 36" beltwidth, 135' long, Truss Frame Conveyor
 - Wrap Drive Conveyor
 - Stress analysis on truss, shafts, belt, pulleys and bearing design life
- Final Design work on 30" beltwidth, 60' long, Truss Frame Conveyor
 - Custom manual head fold with supports
 - Walk through the manufacturing process from design to shipping

SKILLS

- Computer software: SOLIDWORKS, AutoCAD, ANSYS, MATLAB, Microsoft Office
- Collaboration through communication, planning, continuous learning
- Strong written and oral communication skills
- Motivated learner who thrives on learning new things