



MICHAEL MARCHICA

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Summary

Ambitious mechanical engineering student with experience in engineering design concepts and HVAC systems. Proactive leader with strengths in project management, collaboration, and creativity in an academic environment. Analytical and innovative with a passion for product design and development. Thrive on being part of a highly motivated team and meeting customer needs. Eager to go above and beyond job requirements to help designers perform smooth and efficient work. Adept in computer-aided design and prototyping through multiple iterations.

Skills

- Proficient in SOLIDWORKS, MATLAB
- Microsoft Excel, PowerPoint and Word
- Fluent in Spanish and English
- Strong problem solving and analytical thinker
- Well organized with excellent time management skills
- Excellent adaptivity to new situations and a fast learner
- Interpersonal and communication
- Basic understanding of applicable industry standards including ASME Y14.5 (Geometric Dimensioning and Tolerancing)

Experience

Genuine Machine Products | Gilbert, AZ

Mechanical Engineer Intern

07/2022 - 08/2022

- Learned the inner workings of the machine shop
- Worked with SOLIDWORKS to design fixtures and holders for the manufacturing and assembly departments
- Attended engineering and quality meetings to diagnose issues with the manufacturing process
- Learned about tools used in CNC machining through standardizing tool setup sheets

Universidad de Zaragoza | Aragon

Student Internship

480 hours completed

01/2022 - 05/2022

- Studied the efficiency of current HVAC systems at the EINA campus to reduce energy costs
- Monitored carbon dioxide, temperature, and humidity in the classrooms to improve air quality
- Diagnosed rooms with poor ventilation to develop strategies to reduce airborne disease transmission

Education and Training

Northern Arizona University | Flagstaff, AZ

BS Mechanical Engineering and Modern Language, 3.1

Expected in 05/2023

University of Zaragoza | Spain

Attended through the Interdisciplinary Global Program at NAU

09/2021-06/2022

Awards

- NFF Scholar Athlete (2018)
- NAU Golden Eagle Award (2019)