Dominique N. Belasquez

Winslow, Arizona | (970) 691-9591 | belasquezd@outlook.com | www.linkedin.com/in/dom-belasquez-5835a0365

Ambitious engineering student with strong academic achievement and experience with a robust appetite to gain new knowledge. Combines strong work ethic with ability to organize and critically problem solve. Recognized for dedication, leadership qualities, ability to learn, and personable character.

EDUCATION

Northern Arizona University — Flagstaff, AZ

B.S. in Mechanical Engineering - Class of 2026 — GPA 4.00/4.00

Relevant coursework: Mechanics of Materials | Materials Science | Applied Mechanics Dynamics | Applied Mechanics Statics | Machine Design I | Engineering Analysis | Thermodynamics I & II | Fluid Mechanics I

Colorado School of Mines — Golden, CO

Started B.S. in Electrical Engineering 2021 – 2022 — GPA 3.91/4.00

Relevant coursework: Introduction to Circuits for Electrical Engineers | C++ Programming

EXPERIENCE & ACHIEVEMENTS

Structural Engineering Intern — May 2025 – August 2025

McCarthy Building Companies, Inc. — Phoenix, AZ

- Performed stress and deflection analysis on pile foundations for solar module trackers
- Learned industry software including AutoCAD, Civil3D, LPILE, QGIS, and Monday.com
- Owned the structural design for 3 projects in pursuit of being awarded
- Performed risk assessments regarding site specific geotechnical reports including frost risks, bore logs, flood plains, scour, erosion, wind, snow, pile load test results, for 5 projects

Project Engineering Intern — May 2024 – August 2024

McCarthy Building Companies, Inc. — Marana, AZ

- Communicated cross functionally with field workers, management, and owners
- Conducted over 30 owner inspections for equipment turnover and quality assurance
- Worked directly with 3 other project engineers on Self Perform Electrical (SPE) team
- Managed purchase orders, change orders, owner turnover packages, deliveries, and inventory
- that resulted in increased organization and reduced lead time delays

Research Intern — August 2024 – April 2025

NASA Space Grant – Northern Arizona University — Flagstaff, AZ

- Reviewed journal articles on rehabilitation exoskeletons for idea generation of exoskeleton
- Designed exoskeleton to be cable driven for light weight power augmentation using SolidWorks
- Analyzed and optimized design using MATLAB
- Utilized 3D printing for rapid prototyping and integrated with Arduino to create a proof of concept
- Presented research results and exoskeleton at the 2025 Space Grant Consortium Symposium

SKILLS & COMPETENCIES

- User application: Microsoft Office 365 | SolidWorks | CURA Slicer | BlueBeam | ProCore | LPILE | AutoCAD | Civil3D | QGIS
- Professional Certification: SolidWorks CSWA, Mechanical Fundamentals of Engineering (FE)
- Programming Languages: Python | C++ | MATLAB | G-Code | Arduino
- Machine Shop Training: Manual Mill | Manual Lathe | CNC Mill | 3D Printing

HONORS, AWARDS & EXTRACURRICULAR ACTIVITIES

- Member of Tau Beta Pi Honor Society — April 2024
- Member of The National Society of Leadership and Success — April 2024
- Member of Tau Sigma Honor Society — February 2024
- Member of American Society of Mechanical Engineers — November 2024
- Member of Phi Kappa Phi Honor Society — April 2025
- Peter R Marsh Silent Server Award — May 2021
- Valedictorian – Destinations Career Academy of Colorado — May 2021