

Damian Boniella

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I am a talented Mechanical Engineering student interested in vehicle design and space exploration. I have been involved with engineering since junior high, taking on any and all engineering classes and projects available to me. I'm motivated and driven. I work great in a team environment as well as individually.



WORK EXPERIENCE

GreenSpier, Florida — Contractor

January 2021 - March 2022

I successfully designed a small scale 3D printed elevator that housed a motor, encoder, and carriage to assist in the development of an elevator control system.

EDUCATION

Northern Arizona University, Flagstaff, AZ — Bachelor of Science in Mechanical Engineering Candidate May 2025

Current GPA: 3.88

Coconino Community College, Flagstaff, AZ — Dual Enrollment

August 2019 - June 2021

English and Pre-Calculus

Graduating GPA: 4.0

PROJECTS

Formula SAE — Capstone and Club Member

I am currently the manufacturing engineer in a multidisciplinary team of 19 engineering students designing and building the 2024 - 2025 Formula SAE Car. My responsibility within the team is to design and analyze the air intake (from air filter to engine valves).

I am currently the treasurer for the SAE Club and Formula SAE Capstone Team, where I am able to demonstrate my effectiveness as a leader and communicator. I was also actively involved with the manufacturing of the previous (2023 - 2024) Formula SAE Car.

Linked below is current 2024 - 2025 Formula SAE Car build:

https://www.ceias.nau.edu/capstone/projects/ME/2025/F24toSp25_Formula25/

Coconino Institute of Technology Capstone

I worked individually on designing and building a remote controlled lawn mower.

SKILLS

Proficient with SolidWorks
Proficient with 3D Printing
Experienced in MATLAB
ANSYS Fluent and Mechanical
Proficient with Microsoft Applications
Proficient with Google Applications
Car Mechanic
Amateur Machinist
Team Leader
Communicator
Critical Thinking
Troubleshooting
Attention to Detail
Methodical
Task-Oriented

AWARDS

Lumberjack Award Recipient
Top 10% of Coconino Institute of Technology's Graduates
FIRST Lego League Challenge Award Winner