

# Donovan Parker

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## Summary of Qualifications

- Proficient in retaining great amounts of information within a short period of time.
- Thrives in both collaborative projects and independent projects with reduced support.
- Strong ambition for an educational, hands-on experience within the field of study.

## Education

### Northern Arizona University

Aug. 2020 – PRESENT

- B.S. Mechanical Engineering
- American Society of Mechanical Engineers
- National Society of Leadership and Success

## Projects

### SAE Baja Vehicle 2024 – Mechanical Engineering Design II

August 2023 – May 2024

- In charge of designing and manufacturing the four-wheel drive system.
- Learned and expanded machining experience using a manual Lathe and Mill and created an opportunity to CNC the four-wheel drive system.

### Two Stage Spur Gear Speed Reducer – Machine Design

Jan. 2023 – May 2023

- Designed and constructed a spur gear speed reducer to accommodate a reduction of speed from 1800 rpm to 250 rpm at the output shaft for a power transfer of 15kW.
- Handled part of the mathematical work and all the coding work.

## Technical Skills

Applications: Microsoft Office (Excel, Word, Publisher, etc.), SolidWorks, 3D Printing

Programming: MATLAB, C, C++

## Additional Project Experience

### Desktop Computer

- Assembled a high-performance computer capable of CPU temperatures as low as 39°C, graphics FPS of 2325, and CPU FPS of 360.
- Calculated heat transfer and heat transfer efficiency of major systems to predict performance in relation to temperature control.

### Vehicular Performance Modifications and Maintenance

- Self-improvements to a daily driven vehicle to enhance handling, braking, horsepower, and torque, all while maintaining optimal systems and uninterrupted performance.

## Professional Experience

### GOING, GOING, GONE! – Sales Associate (ALL POSITIONS)

May 2022 – Aug. 2022

- Cross trained and created world-class environment and customer service in Apparel, Bike and Exercise, Team Sports, Golf, Footwear, Outdoors, and Ship-From-Store.
- Maintained cleanliness of all areas of the store.
- Displayed passion, knowledge, dedication, and commitment for the sports and activities supported in store.

### SmashBurger – Shift Leader

June 2019 – Jan. 2021

- Primary support for employees in their respective restaurant locations, Responsibilities focused building restaurant sales and traffic.
- Managed performance of both Front and Back of House employees and supplied ongoing training to all employees.
- Ensured all food safety standards were followed and in compliance with all local health departments.