

Ryan M. Kiedrowski (Age 22)

NAU Mechanical Engineering Major | Business Minor

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Academic History:

Northern Arizona University (Anticipated Graduation: Spring 2022)

- Pursuing Major in Mechanical Engineering
- Pursuing Minor in Business (Completed April 2021)

Mountain Ridge High School | Graduated Spring 2017

- Graduating GPA: 4.25
- Honors and AP Student
- Active Member of the National Honors Society

Prior Work Experience:

Veterinary Technician | Fall 2017 - January 2019

- Surgical and Anesthesia Technician
- High interaction with clients
- Basic pharmaceutical knowledge
- Record-Keeping

Veterinary Kennel Technician | Summer 2015 - Summer 2017

- Facilities maintenance and repair
- Cleaning entire facility including surgical suite
- X-Ray technician
- Administering vaccines and prescribed medications
- Began training to become a veterinary technician last several months

Graphic and CAD Designer / Production | March 2016 - Current

- Graphic design for companies and corporations
- Graphic apparel production
- CAD design for custom and commercial off road parts and accessories
- Inventory and product management
- Shipping coordinator

Finish Carpenter | May 2020 - Current

- Install windows, doors, trim (Base board, Crown Moulding, Door/Window Trim)
- Build and install cabinets
- Build and install faux beams

Skills:

Proficiencies

- Solidworks and Adobe Autodesk CAD

- Microsoft Excel, Word, Powerpoint
- Team leadership and management
- 3D Printing and laser cutting
- Carpentry
- Metalwork
- MIG welding (not certified)
- Vehicle Suspensions

Prior History

- TIG welding
- Microsoft Access
- “Handyman” skills (House and vehicle labor)
- Reasonable electronics knowledge

Community Service:

- Over 1000 community service hours
- Food banks, summer camps, trail/ forest cleanup and repair, yard work for elderly
- Various school and community events
- Eagle Scout

Prior Formal Engineering Projects:

Rube Goldberg Machine

- Excelled in creating a 99.5% repeatable Rube Goldberg machine
- 12 “steps” within a \$20 budget

Trash Collector

- Team project tasked with creating a device that can collect and sort trash into various bins from a distance - Team leader
- Created a R/C vehicle that could cross over obstacles and pick up trash ranging from large laundry detergent bottles to small plastic lids
- Vehicle was successful in a competitive and time sensitive environment

Prosthetic Device

- Team project tasked with creating a device to help the disabled and disadvantaged
- Designed, through the various engineering methods and research strategies, a low cost (about \$60), high functioning prosthetic hand ready for production.
- Full analysis of design and final presentation

Mousetrap Car

- Requirements stated must travel 10 ft under its own power
- Final design ran for approximately 300 yards and was built with a mechanical auto shifting transmission and steering rack to ensure the car traveled in a perfectly straight line. The entirety of the car was mechanically driven and due to limitations in space the car had to be stopped at 300 yards.