

CLIFTON BECK

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PROFILE

Engineer with 10-years of entrepreneurial experience and outstanding student with extensive technical/mechanical analysis practice. Strong attention to detail and self-motivated to tackle complex problems and create unique solutions. Team management, collaboration, and communication skills to help drive improvements within a competitive atmosphere; honed professionally and through Formula SAE. Finishing my Senior year in pursuit of a Bachelor of Science in Mechanical Engineering.

SKILLS

- Design and prototyping
 - Data analysis and troubleshooting
 - Experiment design, calibration, and implementation
 - Willingness to take initiative and collaborate
 - Team management and communication
 - Adaptable and forward thinking
 - Attention to detail
 - 3D Modeling: Siemens NX, SolidWorks
 - PLM: Siemens Teamcenter
 - MATLAB, PTC Mathcad
 - Soldering, SMAW & MIG Welding
 - 3D Printing
 - Microsoft Office, Google Workspace
 - Formula SAE
 - Dean's List Inductee
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EXPERIENCE

DI&T Engineer, Co-Op Technical, Northrop Grumman; Chandler, AZ — January 2023-August 2023

- Worked among multidisciplinary groups to build, coordinate, and execute product revisions encompassing customer needs while maintaining government regulatory requirements.
- Developed testing protocols and procedures and assisted in modal and load tests.
- Performed data analysis and engineering model characterization of physical components.
- Designed multiple products for production as both manufacturing aids and test apparatus.

CSI/RMOQ – Engineer, Discount Tire, Co.; Scottsdale, AZ

Intern — May 2022-August 2022

Part Time – August 2022-December 2022

- Project lead developing new solutions to drive improved service performance in three product sectors.
- Physical analysis and engineering characterization of parts to identify areas of improvement.
- Thorough process studies identifying areas of efficiency loss and solution focus.
- Utilized “Lean 6 Sigma” statistical approach from problem definition to solution implementation.
- Team support on three additional projects.

Business Owner/Race Team Manager, Flagstaff Hobbies; Flagstaff, AZ — 2012-2021

- Intuitive entrepreneurial skills, resulting in a 10% profit increase every year and growth in the regional market share by similar margins.
- Production and design of in-house, custom solutions addressing customer needs and performance advancements.
- Race team development and management, including identifying talent, generating set-ups, and experience with performance/data analysis to identify and address areas for improvement.
- Advanced customer service engagement, resulting in a strong, loyal customer base.
- Product acquisition, supply chain management, and oversight of business to business relationships.

Field Staff, Grand Canyon Youth; Flagstaff, AZ — 2015-2021

- Worked within collaborative teams to execute logistics related to the implementation and completion of educational river trips.
- Maintained an impeccable safety record, following DOT regulations and safely transporting over 500 children.

Sales/Service Associate, Flagstaff Hobbies; Flagstaff, AZ — 2011-2012

- Fostered customer relationships through sales and repairs, including experience in diagnostics, as well as full vehicle builds.
- Over the phone customer support establishing an ability to communicate effectively and to decipher complex problems remotely.
- Processed, received, and tracked orders for new inventory twice a week.

Field Service Technician, BesTec Office Systems; Flagstaff, AZ — 2007-2012

- Worked in the field to troubleshoot, service, and maintain the operation of a wide variety of office equipment, including printers, copiers, fax machines, etc.
- Comprehensive experience identifying problems, rationalizing solutions, and implementing high quality mechanical and electrical repairs and maintenance.
- Remote/over the phone technical support and diagnostics, as well as solution planning.

EDUCATION

Northern Arizona University, Flagstaff, AZ.

December 2020 – *Expected May 2024*

College of Engineering, Informatics, and Applied Sciences

Mechanical Engineering

- Dean's List: Fall 2021, Spring 2022, Fall 2022, Fall 2023
- 3.89 GPA
- Team Manager Formula SAE

Coconino Community College, Flagstaff, AZ

May 2020

Associates of Science

- Dean's List: Fall 2020, Spring 2021