
PROFESSIONAL SUMMARY

Mechanical engineering student with hands-on experience in mechanical design, SolidWorks, rapid prototyping, and automotive diagnostics. Proven team leader with strengths in problem-solving, technical documentation, and translating design requirements into functional components. Seeking an engineering internship to contribute to product design, analysis, and testing.

EDUCATION

Bachelor of Science in Mechanical Engineering | Northern Illinois University | DeKalb, IL **Expected May 2028**
NIU Honors Program | Dean's List
Relevant Coursework: Mechanics of Materials, Engineering Materials, Thermodynamics, Systems and Control, C++ Programming

ENGINEERING PROJECTS

Hopping Mechanism | Team Leader | Northern Illinois University **2026**

- Led a four-person team in designing and building a motor-driven hopping mechanism using a cam-and-spring follower system.
- Coordinated component measurements, laser-cut plate fabrication, assembly, testing, and technical documentation.
- Applied mechanical design principles to convert rotary motor motion into repeatable hopping motion.

Hydroforming Design Project | SolidWorks | Northern Illinois University **2026**

- Created 3D CAD models in SolidWorks for a hydroforming application and translated design requirements into manufacturable component geometry.

TECHNICAL SKILLS

Design and CAD: SolidWorks, 3D CAD modeling, engineering drawings, mechanical design, design for manufacturing, rapid prototyping
Analysis and Programming: MATLAB, C++, mechanical systems analysis, engineering data analysis, root-cause analysis, technical documentation

EXPERIENCE

Parts Expert | AutoZone | DeKalb, IL **Jun 2026 - Present**

- Diagnose vehicle concerns and identify compatible replacement parts using vehicle specifications and diagnostic results.
- Test and replace batteries and evaluate starter and alternator performance to support reliable repairs.
- Explain vehicle systems and recommended solutions clearly while resolving technical customer concerns.

Assistant Manager | Domino's Pizza | DeKalb, IL **Jan 2024 - Apr 2026**

- Supervised daily operations, delegated work, trained employees, and maintained efficient service in a fast-paced environment.
- Managed scheduling, inventory, labor, food quality, and safety standards to support accurate and timely service.

LEADERSHIP AND ACTIVITIES

Treasurer, Society of Asian Scientists and Engineers (SASE) | Member, NIU Supermileage Team

CERTIFICATIONS

Rocket Science for Everyone, Yale University | British Airways Job Simulation, Forage