

Austin Ronspies

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Mechanical Engineering senior at the University of Nebraska–Lincoln, graduating May 2026, with hands-on design experience through Husker Motorsports SAE and an internship at Astec Industries.

SKILLS

- SolidWorks
- AutoCAD
- Revit
- MATLAB
- Excel
- PowerPoint

EDUCATION

08/2022 – 05/2026 **University of Nebraska-Lincoln** – Lincoln, NE
Bachelor of Science in Mechanical Engineering
Minor in Mathematics
GPA: 3.368

PROJECTS

- 08/2025 – 05/2026 **Interactive Tennis/Baseball Simulator** – MSForward, Omaha, NE
- Designed and built an accessible sports simulator using mechanical feedback and motion tracking.
 - Led mechanical design and sensor integration using SolidWorks and MATLAB.
- 08/2025 – 12/2025 **Automated Chess-Playing Robot** – University of Nebraska-Lincoln
- Built an automated chess robot using inverse kinematics for piece manipulation.
 - Integrated Python, Stockfish AI, and Arduino for robotic motion control

EXTRA CURRICULARS

- 09/2024 – 05/2025 **Husker Motorsports Society of Automotive Engineers** – Lincoln, NE
- Designed and fabricated a formula-style race car through hands-on testing and team collaboration.
 - Delivered design and cost presentations to improve vehicle performance.
- 01/2023 – 04/2023 **Catholic Social Services of Southern Nebraska** – Lincoln, NE
- Assisted staff and volunteers with donation processing and operations.

EXPERIENCE

- 05/2025 – 08/2025 **Astec Industries**, Engineering Intern – Blair, NE
- Convert 2D AutoCAD drawings into 3D SolidWorks models for metal fabrication.
 - Ensure dimensional accuracy and collaborate with engineers to modernize fabrication drawings.
- 05/2023 – 01/2025 **Hy-Vee**, Produce Associate – Gretna, NE
- Supported store opening and daily operations while maintaining attention to detail in a fast-paced environment.