



ROLAND CHASE SORRENTINO



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rolandsorrentino.com

SUMMARY

Freshman engineer looking to mature and expand experience within a dynamic and challenging company culture. Agile learner and team player who possesses outstanding communication and promising leadership abilities. Recognized for a high degree of personal integrity and compelling confidence and carries a contagious passion for innovation and excellence.

EDUCATION

School of Engineering Student John Martinson Honors College

Purdue University,
West Lafayette, IN

2024-2028

Geneva Community High School

Geneva, IL

Graduated May 2024

SKILLS

- Operational Excellence
- Continuous Improvement
- Visual Factory Management
- Critical Thinking
- Organizational Time Management
- Resourceful Problem Solving

PROFICIENCIES

SolidWorks	Python
AutoCAD	HTML
OnShape	CSS
Java	MS Office 365

CORE COMPETENCIES & STRENGTHS

- Multi-year internship experience in core foundational tool design for high volume Tier 1 / Tier 2 automotive manufacturer.
- Innate ability to contribute and implement innovative and creative engineering solutions and improvements to 'current state' manufacturing processes.
- Well adapted within fast-paced, high pressure manufacturing environments.
- Creative problem solving and learning agility; adapts quickly to change.

EXPERIENCE

Manufacturing Engineering Intern *May 2023 – July 2024*

BURGESS NORTON MANUFACTURING (Piston Pin) – Geneva, IL

- Decreased piston pin cold forming tool spend by 80% through improved tool life across multi-part family designs.
- Drawing conversion and model updates (AutoCAD to Solid Works) to current ASME standards.
- Responsible for hydraulic fluid and oil testing for 750T and 2500T high tonnage cold forming presses.
- Assisted in Gage Repeatability and Reproducibility (Gage R&R) studies to validate new piston pin measuring devices.
- Assisted Operational Excellence advancements by – participation in daily Gemba and engineering reaction for improvement and sustainability within manufacturing process.

Facilities Athletic Attendant *December 2022 – March 2023*

CITY OF GENEVA PARK DISTRICT – Geneva, IL

Skills USA *August 2022 – April 2023*

ILLINOIS - STATE COMPETITION

- Development and design of wireless charging device for laptops. Problem definition, concept creation, solution development, prototype testing, and market analysis. Qualified to compete at State, earning 6th place.

AWARDS & ACCOLADES

- DECA State Qualifier 2024
- National Honor Society – Committee Chair
- Student Council – Committee Chair and Senior Class Secretary
- Seal of Biliteracy – Spanish
- National Spanish Honor Society - (Member and Tutor)
- National Technical Honor Society
- Math Team State Competition (2023 and 2024)
- 4-Year Varsity Baseball Team Member
 - Academic All-Conference (2020-2024)
 - All-Conference Team (2024)
 - All-Area Team (2024)