

Contact

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Top Skills

Industrial Engineering

SOLIDWORKS

Computer-Aided Design (CAD)

Kevin O'Shea

Industrial & Systems Engineering Student at NC State | Process Improvement & Operations | Manufacturing & Quality | IISE
Glen Allen, Virginia, United States

Summary

Industrial and Systems Engineering sophomore at NC State and active IISE member with hands-on industrial field experience. Driven by an interest in process improvement, manufacturing operations, quality, and safety-critical systems. My background combines engineering design and practical field work, including servicing high-pressure thermal equipment, performing preventative maintenance, applying precise torque specifications, and following strict safety protocols on industrial job sites. I bring strong attention to detail, clear communication, and teamwork to both field operations and engineering projects. Seeking a Summer 2027 ISE internship where I can apply process analysis, problem-solving, and hands-on technical experience to improve efficiency, quality, and reliability within manufacturing and operations.

Experience

Virginia Heat Transfer

Thermal Systems Technician

May 2026 - August 2026 (4 months)

Richmond, Virginia, United States

- Perform hands-on preventative maintenance and mechanical detailing on industrial plate heat exchangers, including Alfa Laval units, to optimize thermal efficiency and reduce client energy costs by up to 40%.
- Clean and service heavy-duty components including plate packs, frame covers, and carrying bars using a 5-point alignment system to ensure a proper seal and prevent fluid leaks.
- Conduct manual gasketing and high-pressure power washing of plates to remove scale and fouling, restoring the physical surface area needed for peak heat transfer.
- Assemble and compress plate packs by torquing heavy tightening bolts to meet structural requirements for units operating at pressures up to 450 psig and temperatures reaching 180°C.

- Travel to industrial sites for field service jobs, collaborating in teams to safely assemble and inspect large-scale frame assemblies while strictly adhering to OSHA and site safety regulations.

Drive Shack

Food Expeditor

May 2024 - August 2025 (1 year 4 months)

Richmond, Virginia, United States

- Promoted from Food Runner to Expeditor and Server within one year based on performance and leadership.
- Decreased food wait times significantly by expediting final food preparation and auditing tray contents to ensure 100% order accuracy and high-quality presentation.
- Check food quality and add final garnishes while managing high-volume service flow.
- Deliver excellent customer service and resolve guest needs in a fast-paced environment.

Tom Leonard's Farmers Market

Seasonal Sales Associate

November 2023 - November 2024 (1 year 1 month)

Glen Allen, Virginia, United States

- Assisted customers in selecting inventory and safely secured heavy items to vehicles.
- Maintained organized sales grounds during high-volume seasonal periods.

Jersey Mike's Subs

Restaurant Worker

December 2022 - September 2023 (10 months)

Glen Allen, Virginia, United States

- Prioritized food safety and cleanliness while delivering service during peak hours.

Education

North Carolina State University

Bachelor of Science - BS, Industrial and Systems Engineering · (August 2025 - May 2029)