

# Nijhon Foley

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Mechanical engineering student with hands-on experience in manufacturing, quality control, and mechanical design, passionate about developing and testing practical solutions to complex engineering challenges. Skilled in CAD modeling, automation of inspection processes, prototyping, and performing mechanical analyses to validate designs. Proven ability to collaborate with interdisciplinary teams, lead hands-on projects, and implement process improvements that increase efficiency and reliability in fast-paced, technical environments.

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## EDUCATION

University of Connecticut,  
B.S.E Mechanical Engineering - Manufacturing Concentration

Expected Graduation Date: Dec 2026

Cumulative GPA: 3.26

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## SKILLS & EXPERTISE

- Quality Control
  - Keyence Inspection software
  - Solid Works
  - Public Speaking & Presentations
  - Fabrication
  - Welding
  - Workflow Optimization
  - Root Cause Analysis
  - Microsoft Office & G Suite
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## PROFESSIONAL EXPERIENCE

Jun. 2021 - Aug. 2024

The ClyDel Manufacturing Company | Waterbury, CT

Manufacturing Intern

- Designed and implemented a Keyence inspection program that revealed critical dimensional defects, pinpointed the root cause, and supported successful validation of a new multi-million-dollar production line.
- Fully modernized the company's Go/No-Go gauge filing system, boosting operational efficiency by over 20% and improving traceability for precision inspections.
- Assisted in the launch of a new production line by restoring a Waterbury Feral pressing machine, diagnosing and repairing mechanical issues to ensure reliable operation and reduce downtime.

Ruva Pest Control | Vernon, CT

Dec. 2024 - Jul. 2025

Door to Door Sales Representative

- Educated 50+ homeowners daily on pest control solutions, quickly mastering product knowledge and sales techniques to drive informed purchasing decisions.
- Rapidly advanced to second-highest performer on the team, demonstrating quick learning, adaptability, and consistent execution in a competitive, commission-driven environment.
- Effectively managed territory and 14-hour workdays, optimizing routes and prioritizing high-potential leads to maximize efficiency and sales opportunities.
- Generated hundreds of self-sourced leads, building trust with homeowners and establishing long-term client relationships that supported repeat business.

University of Connecticut | Storrs, CT

Mar. 2024 - Present

Resident Assistant (RA)

- Supervised 100+ residents, supporting their personal and academic development while maintaining a safe, inclusive, and well-managed living environment.
- Recognized for calm, compassionate leadership; residents consistently sought me out during moments of distress, and my intervention directly contributed to several successful crisis outcomes.
- Collaborated with a team of RAs to streamline event planning, documentation, and floor-management processes, contributing to a smooth move-in period that successfully supported 600+ residents and families over two days.