



## CONTACT

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## PATENTS

**US 10627001**  
Check valve system  
**US-20230278067-A1**  
Dispenser  
**Wo2019228782**  
Clip on plunger

## EXPERTISE

Innovation  
SolidWorks  
Automation  
Mechanical Design  
Customer Facing Communication  
System Design & Analysis  
Design for Manufacturability  
Mechatronics  
Product Design  
3D Printing  
Problem Solving  
Rapid Prototyping  
Design of Experiments  
Filling/Packaging

## TECHNOLOGY

SolidWorks  
3D Printers (FDM, SLA, SLS)  
Keyence Vision/Inspection Systems  
Allen Bradley

# G A R R E T T F A I N O

## SUMMARY

Driven engineer with hands-on experience in automation, service, and innovation. I possess a natural understanding of mechanical systems and automation and excel in designing, prototyping, and troubleshooting products and systems. I've worked directly with customers to grasp their needs, troubleshoot issues, and determine root causes. My contributions to mechanical design have earned me multiple patents for innovative solutions. I am eager to leverage my skills and enthusiasm to either lead or join a dynamic team focused on advancing automation and innovation.

## EXPERIENCE

### Optimization Engineer, IMA Dairy & Food

Jan 2024 - Oct 2024

- Established a new retrofit division in the U.S. to proactively identify and pursue inbound retrofit opportunities, engaging directly with customers to provide tailored support and solutions that improve the efficiency of their existing machines.
- Led the retrofit projects from inception to completion, coordinating with internal teams, sales, and external vendors.
- Organized meetings and built project timelines to define project specifications and ensure successful execution.
- Served as the point of contact for a Service Level Agreement (SLA) with a key customer for 5 months. Achieved a 28% increase in machine efficiency, 22% increase in OLE (Overall Line Efficiency) and successfully reduced critical defect rates below the maximum allowable targets by providing solutions for major issues and improving machine and operational processes.

### Service Engineer, IMA Dairy & Food

Aug 2021 - Jan 2024

- Perform installation and commissioning activities for new equipment at customer locations including wiring terminations, I/O checkout, testing and commissioning through final acceptance.
- Perform troubleshooting of existing equipment to resolve various mechanical/electrical issues.
- Provide customer support: on-site, remote, email and/or phone.

### Application/Mechanical Engineer, Sulzer MedMix

2019 - Aug 2021

- Awarded two patents for product Innovation and design, with a third patent pending approval.
- Developed and constructed custom automated filling machines utilizing pneumatics and PLC-controlled electronics, effectively addressing client issues with filling new products like the collapsible cartridge ecopaCC and Mixpeel.
- Collaborated with dozens of customers to identify and troubleshoot issues with their current systems. Desing new products and innovate current products, performing all design, prototyping, R&D, material selection, and experimental testing before production.

## EDUCATION

University of New Hampshire

2018

Bachelor of Science (BS) in Mechanical Engineering

- 4-year, Division I MCLA Men's Lacrosse Player
- 2x Coaches Award Winner (2017, 2018)
  - Recognizing a player who serves as a role model for leadership, sportsmanship, team spirit, and skill throughout the season.

Rockwell Automation: Logix Programmer-Traditional Path Course

2024