



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
Project Management
Product Design
3D Printing
Problem Solving
Rapid Prototyping
Design of Experiments
Filling/Packaging
TECHNOLOGY
SolidWorks (Design, FEA)
3D Printers (FDM, SLA, SLS)
Python/MATLAB
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.

Mechanical Engineer, IMA Dairy & Food

Aug 2021 - Jan 2024

- Installed and commissioned new equipment, handling electrical, I/O checks, and final testing.
- Designed and implemented custom mechanical solutions for new customers, utilizing practical engineering principles and design strategies to meet unique operational requirements.
- Served as the point of contact for a Service Level Agreement (SLA) with a key customer. 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.
- Developed custom modifications to integrate new technologies and processes into existing machines, enhancing their performance and efficiency.

Mechanical/Application 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. Designing new products and innovate current products, performing all design, prototyping, R&D, material selection, and experimental testing before production.

EDUCATION

University of New Hampshire
Bachelor of Science (BS) in Mechanical Engineering

2018

- 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 and sportsmanship.

Rockwell Automation: Logix Programmer-Traditional Path Course

2024