

# ANGELINA ELISABETTA SORICE

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## EDUCATION

**Bachelor of Science in Biological Engineering** | The Ohio State University - Columbus, OH

05/2020

## WORK EXPERIENCE

**Test Engineer** – *Newell Brands (Atlanta, GA)*

07/2022 – present

- Led product testing strategy by creating both consumer-relevant and science-based methods, integrating ergonomic fixture designs and protocols to optimize product testing procedures in accordance with ISO 14145
- Created test plans for mechanical and chemical systems to validate and verify design requirements
- Managed 500+ test requests, ensuring data integrity and collaborating with teams to validate designs and optimize workflows
- Mentored new team member, providing guidance and training since on-boarding, fostering a collaborative and productive work environment
- Developed new test methods using equipment such as load cells/force testers, CMM, accelerometers, actuators, and automated systems
- Drove adoption of Lumafield X-Ray CT scanner across the business for 3D product analysis, reducing testing turnaround time and increasing capabilities for facilitating root cause analysis
- Collaborated with cross-functional teams to refine design and testing criteria, contributing to new concept Sharpie product prototype presented to senior leadership at WIN Innovation Fair
- Co-led 2024 Competitive Benchmark Review, managing project timelines and data analysis for 20+ products
- Implemented gage R&R studies to improve testing equipment accuracy and consistency

Additional Leadership & Involvement:

- Mentorship: mentored interns, and participated as mentee in RAY mentorship program, Design Engr. Mentee
- Continuing Education: Intro to Design Sketching, CAD Surface Modeling, Draft Analysis, Tolerance Analysis
- Safety Team: Conducted monthly lab audits across multiple lab spaces and organized fire drills

**Automation Technology Engineer** – *Doehler North America (Cartersville, GA)*

09/2021 – 07/2022

- Designed prototype for filter/seal in coffee processing system and developed project plans for automated production system
- Increased percolator production rate by 63% and improved user efficiency through PLC and HMI integration
- Assisted in quality control by analyzing process data from digital chart recorders
- Managed Site and Factory Acceptance tests for new packaging system, enhancing efficiency from filling to packaging
- Optimized food safety processes on production lines, ensuring GMP compliance through automation

**Systems Engineer 1** - *RoviSys Building Technologies (Holly Springs, NC)*

01/2021 – 08/2021

- Led a team of five in factory and site acceptance testing of HVAC components for a biopharma facility, troubleshooting technical and electrical issues (OSHA-10 certified)
- Programmed and tested 78 controllers with external contractors to optimize airflow in a manufacturing facility
- Designed HMI graphics for easy HVAC system management by operators
- Coordinated with subcontractors and clients to ensure high customer satisfaction

**Engineering Tutor** - *Chegg Inc. (Remote)*

04/2020 – 01/2021

- Taught primarily engineering students as well as others disciplines and received 12 positive ratings by end of term

## QUALIFICATIONS

**Technical Skills:** CAD (SolidWorks, AutoCAD, Creo), Rapid Prototyping, Tabletop Injection Molding, Wood & Metal Shop Fabrication, Python, G-code, PLCs (Allen-Bradley, Rockwell, Siemens), MATLAB, Simulink, Adobe, Microsoft Office, Lab Equipment/Techniques (Chemical & Microbiological), ISO 13485

**Soft Skills:** Quick learner, excellent communicator, adaptable team player, detail-oriented, in-field research performance

## PROFESSIONAL ASSOCIATIONS

Member: Society of Women Engineers, Order of the Engineer, American Society of Ag and Biological Engineers

## PUBLICATIONS

“Volume Optimization for Food Production During Deep Space Exploration”, NASA Technical Reports Server, 15 MAY 2020  
Document ID: 20205003965