

Elizabeth Ann Howell

www.linkedin.com/in/elizabethannhowell



Skills

- Data Analytics and Data Visualizations
- Troubleshooting/Root Cause Analysis using Kepner-Tregoe and Cause-Mapping Techniques
- Advanced Proficiency with Microsoft's Excel, VBA Macros, Power Platform Applications, and Teams
- HTML, CSS, JavaScript, jQuery, React, Git Hub, Express, Node.js, MongoDB
- Maintenance Strategy Management
- SharePoint Page Creation and Design
- Basic exposure to Visual Basic, AutoCAD, Ladder Logic, SolidWorks, and MAT Lab

Experience

Tesla, AUGUST 2021 – PRESENT

Senior Production Equipment Engineer, Cell Manufacturing /

GIGAFACTORY TEXAS – AUSTIN, TX

AUGUST 2021 – APRIL 2024

- Spearheaded the development of a comprehensive asset strategy for a foil coating converting operation, crafting preventative maintenance programs, maintenance procedures, and Lock Out Tag Out (LOTO) protocols from inception.
- Engineered and fine-tuned systems to optimize operational efficiency, enhancing production scheduling, KPI tracking, and Outgoing Quality Control.
- Innovated a robust tracking and historical data system for machine rollers utilizing PowerApps and SharePoint.
- Contributed to the creation of a dynamic LOTO Database and permit issuing system for the entire electrode maintenance and operations organization, leveraging PowerApps, Power Automate, and SharePoint.

Georgia-Pacific, MARCH 2013 – AUGUST 2021

Indirect Cost Workstream Leader /

SAVANNAH MILL, FACILITY WIDE – RINCON, GA

MARCH 2020 – AUGUST 2021

- Directed facility-wide initiatives targeting indirect cost optimization, driving disciplined execution within accelerated manufacturing transformation efforts.
- Spearheaded the identification and implementation of initiatives, resulting in a significant 20% reduction in maintenance costs and labor optimization.

Asset Availability Leader /

SAVANNAH MILL, CONVERTING – RINCON, GA

JANUARY 2021 – AUGUST 2021

- Strategically focused on enhancing long-term reliability across product systems, conducting in-depth data analysis of downtime losses and executing tactical and strategic asset strategy reviews.
- Served as a key resource for mechanical/electrical root cause analysis, offering guidance on asset strategy optimization opportunities.

SAVANNAH MILL, LOGISTICS – RINCON, GA

AUGUST 2019 – DECEMBER 2020

- Orchestrated long-term reliability optimization initiatives, supporting departmental objectives, and facilitating the deployment of SAP/S4 HANA digital transformation.
- Designed and implemented an innovative internal customer-supplier communication tool and streamlined work processes utilizing PowerApps, SharePoint, Power Automate, and Power BI.

Manufacturing Engineer /

SAVANNAH MILL, LOGISTICS – RINCON, GA

JULY 2018 – AUGUST 2019

- Directed efforts to develop and refine asset strategies, continuously improving overall reliability and availability.
- Managed palletizing, stretch wrapping, labeling, and conveying equipment, overseeing brands such as Alvey, E80 Robots, Kauffman, Lantech, and Markem-Imaje.

WAUNA MILL, CONVERTING – CLATSKANIE, OR

MARCH 2013 – JULY 2018

- Drove asset strategy development to enhance competitive positioning, implementing new labor structures, optimizing throughput, and reducing maintenance expenditure.
- Led the implementation of Good Manufacturing Practices for SQF certification, ensuring compliance and operational excellence.
- Stepped in as a Relief Shift Mill Manager for eight months, demonstrating leadership and operational acumen.

Co-Ops and Internships, AUGUST 2007 – AUGUST 2012

Eaton – Aerospace, Warwick, RI – **Manufacturing Engineer Intern**
Kraft Foods, Wausau, WI – **Manufacturing Engineer Intern**
GE Appliances, Louisville, KY – **Quality Engineer CO-OP**
University of Florida, Gainesville, FL – **Research Assistant**

MAY 2012 – AUGUST 2012
MAY 2011 – AUGUST 2011
JANUARY 2011 – MAY 2011
AUGUST 2007 – MAY 2008

Education

Mechanical Engineering/ University of Florida

BACHELOR OF SCIENCE; MINOR IN BIOMECHANICS

DECEMBER 2012

GPA 3.34, CUM LAUDE

- Phi Sigma Rho (Engineering Sorority)

Positions Held: President, Vice President of Social Activities, and New Membership Educator