

SUMMARY AND OBJECTIVES

Effective, flexible, and efficiency-focused process design engineer experienced in leadership, construction management, food and beverage production process design, and design methods optimization. Seeking opportunities with a productive and impactful organization facing a variety of unique and difficult challenges, especially in designing and building complex systems. Experience includes:

- B.S., Chemical Engineering — Auburn University, May 2020
 - Engineering and consulting services in the food and beverage industry, especially with dairy, alcohol, and dry food processes.
 - Former quality assurance/quality control lead for process construction services rendered for \$260MM expansion project.
 - Proven ability to develop and maintain relationships with clients and key stakeholders.
 - Reliable and organized construction management leadership provided under senior project management teams.
 - Demonstrated ability to improve internal design tools by leveraging custom software solutions.
 - Passionate advocate for new technology adoption and implementation.
 - Effective communications between internal and external parties to promote collaboration and efficiency.
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PROFESSIONAL WORK EXPERIENCE

Process Design Engineer

May 2020-July 2022

Dennis Group, Salt Lake City, Utah

Provided comprehensive engineering consulting and construction services across multiple process expansion projects for a prominent design-build firm. Built process-wide mass balances, developed and audited P&IDs, specified and procured process equipment, and led teams in LOTO and QA/QC procedures. Supervised the construction of multiple food production lines and served as the primary on-site point of contact for all project stakeholders.

Independently compiled procurement data from previous company projects using a custom Python script and network data, enabling efficient searches of past work. Contributed to the development of proprietary mass balance simulation software and an ML-optimized production scheduler.

Proficient in AutoCAD, Plant3D, Revit, BIM360, Python, Microsoft Excel.

Process Engineer Intern

August 2017-December 2017

The Mosaic Company, Tampa, Florida

Conducted projects including system bottleneck isolation, heat exchanger efficiency study, storage tank pump sizing, and a comprehensive system water loss study for a phosphate and potash production plant. Contributed to a 33% increase in heat exchanger effectiveness through data-driven analysis. Demonstrated commitment to driving positive change, optimizing plant operations, reducing energy costs, and mitigating equipment failure risks.