

Nahdir Austin

Process Engineer Intern

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Nahdir-Austin/927dc4209ae062e1](https://www.indeed.com/r/Nahdir-Austin/927dc4209ae062e1)

Graduating Chemical Engineering Senior with 2 years of professional work experience in manufacturing, healthcare supply chain, and corporate engineering. Highly skilled in leading cross-functional teams and utilizing project management and lean manufacturing methodologies to optimize systems and identify and repair defects, eliminating losses and streamlining manufacturing processes.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Process Engineer Intern

Procter and Gamble - Fabric Care Plant - Lima, OH - June 2015 to September 2015

- Eliminated \$280,000 in losses due to failed steam traps by implementing a standardized steam trap maintenance program across the plant
- Designed and implemented improvements to safety latch systems on packing lines, eliminating 95% of unplanned downtime due to safety latch failures
- Developed an engineering tool that calculated and documented raw material flow capabilities for pumps and control valves, resulting in a 98% decrease in the effort required to report equipment specs to R&D

Project Engineer Co-op

The Dow Chemical Company - Bristol, PA - March 2014 to September 2014

- Developed and managed the design and implementation of 3 capital projects within a \$100,000 budget
- Developed a cost-effective, alternative solution to implement a bypass line for a wastewater tank, resulting in a \$25,000 cost-savings
- Independently executed the planning, design, and implementation of rerouting an existing ammonia pipeline to an automated manifold, improving the accuracy of ammonia charged to the reactors

Supply Chain Business Analyst Co-op

The Children's Hospital of Philadelphia - Philadelphia, PA - March 2013 to September 2013

- Designed and performed a comprehensive statistical analysis to evaluate the performance of the hospital's automated inventory management system
- Improved the hospital's revenue capture by generating an effective solution to prevent lost supply charges, eliminating approximately \$100,000 in losses
- Led a cross-functional team to develop a business case that analyzed the feasibility of moving the existing Hospital Storeroom to an offsite location

Environmental Engineer Co-op

Philadelphia Water Department - Philadelphia, PA - September 2011 to March 2012

- Managed over 30 wastewater and groundwater accounts for manufacturing facilities and construction sites in the Philadelphia region
- Conducted daily plant inspections and developed groundwater, wastewater, and manhole permits.

EDUCATION

Bachelor of Science in Chemical Engineering

Drexel University - Philadelphia, PA

June 2016

ADDITIONAL INFORMATION

Skills

Software: SAP, Aspen, Hysys, DeltaV, Matlab, AutoCad, Pro-Engineer, RS Logix 5000, Wonderware Historian, Minitab, Matlab, Maple16, Microsoft Office Suite (Excel, Word, and PowerPoint)

Manufacturing Tools: Lean Manufacturing Methodologies, Project Management, Engineering Work Process (EWP), Material Transformation Matrix (MTM), Autonomous Maintenance, Preventative Maintenance, P&ID's, Isometric Diagrams, Pneumatic Diagrams, Job Aids and Procedures, HMI Graphics, URD's, IQ/OQ, Basic PLC Programming, Management of Change (MOC)