

Brandon Dolan
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Education

Clarkson University – Potsdam, NY

- Master of Business Administration May 2019
 - 3.772/4.0 Cumulative GPA
- Bachelor of Science – Chemical Engineering May 2018
 - Minors: Environmental Engineering and Mathematics
 - 3.305/4.0 Cumulative GPA

Relevant Experience

Mold-Rite Plastics – Plattsburgh, NY

Summer 2018

Producer of rigid-plastic caps and jars for uses spanning various industries including pharmaceuticals, chemicals, food, etc.

Continuous Improvement Intern

- Assigned projects to reduce plant scrap, improve machine productivity and OEE, and eliminate molding defects.
- Collected, organized, and analyzed data related to scrap, machine downtime, production, quality, and more.
- Designed a presentation to report findings to department heads, plant manager, and company executives.
- Created flowcharts of reaction plans to help operators respond to and solve machine problems.
- Developed numerical estimations of the effects feed stoppages on department OEE, productivity, scrap, and profits.
- Helped design and execute experiments to reduce molding defects plaguing the department.
- Collected data and created figures to show benefits of daily machine inspections on machine efficiency.
- Learned how to use project management tools like fishbone diagrams, project charters, and standard work.

Aldon Corporation – Avon, NY

Summer 2015-17

Chemical supplier, formulating, and packaging company.

Chemical Formulator

- Promoted to chemical formulator based on performance, accuracy, and experience.
- Manufactured solutions like 6M Copper Sulfate, 30% Hydrogen Peroxide, Lens cleaners and many more in batch sizes ranging from several milliliters to hundreds of liters.
- Prevented manual errors through authorization process – reviewed orders and approved – achieved 100% accuracy.
- Worked with corrosive, oxidizing, poisonous, and flammable substances in creating solutions for customer.
- Measured and adjusted the pH of buffers and other types of solutions.
- Recommended by President for “combination of intelligence, commitment, perseverance, creativity and compassion.”
- Led employees by recommending best methods for completing orders in an efficient and timely manner.
- Learned proper safety techniques when handling dangerous chemicals.

Engineering Projects

Transfer Process Design – Clarkson University

Spring 2017

- Designed Heat Exchangers, Distillation Columns, Condenser, Decanter, Reflux Tanks, and Piping Network for the separation and processing of Styrene.

Process Economics and Concept Design – Clarkson University

Fall 2017

- Designed a processing plant involved with the production of linear α -olefins from ethylene, performed an economic evaluation to determine if plant would be profitable.

Extracurricular Activities/Technical Skills

- Microsoft Office, Microsoft Visio, Microsoft Project, Lean/Six Sigma knowledge, MATLAB, VMGSim, ChemSep
- Beta Gamma Sigma – International Business Honor Society
- Omega Chi Epsilon – Chemical Engineering Honor Society
- American Institute of Chemical Engineers
- Graduate Assistant – Project Management, Organizational Behavior
- Intramural Hockey/Soccer, Golf, Club Hockey

Honors and Awards

- Academics
 - Beta Gamma Sigma – International Business Honor Society Spring 2019
 - Passed NCEES Chemical Engineering Fundamentals of Engineering Exam Spring 2018
 - Omega Chi Epsilon - Chemical Engineering Honor Society Fall 2016
 - Clarkson University Dean's List Spring 2015-18
 - Clarkson University Presidential Scholar Fall 2014, Fall 2018-19
- Varsity Hockey- Most Improved Player, Most Valuable Player, Team Captain 2011-2014