

Matt Reilly

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Address: 295 Stockport Court, Roselle IL, 60172

Education:

Purdue University

College of Engineering

Bachelor of Science in Industrial Engineering | Expected: December 2020

- **COURSEWORK:** Computing in Industrial Engineering (IE 332), Operations Research: Optimization (IE 335) Engineering Economics (IE 343), Data Visualization (MGMT 590)

SKILLS:

- R Studio (*ggplot2*, *tidyverse*, *Shiny*)
- SQL
- Python ([EBEC Purdue COE Certificate](#))
- Power BI, Excel
- HTML, CSS
- Microsoft Office

WORK EXPERIENCE:

Manufacturing Intern, Conagra Brands | May 2020 – August 2020

- Created KPI dashboards utilizing R Studio (Shiny) for a \$10 mil. large-capital project
- Generated a master-schedule in Microsoft Project for a capacity improvement project for standardized inter-plant communication as well as coordination with various vendors
- Conducted a plant-wide waste analysis to identify economic and environmental targets to achieve 100% landfill diversion

Continuous Improvement Intern, BraunAbility Corporation | May 2019 – August 2019

- Applied Lean methodology to develop long-term solutions for everyday processes within a plant
- Used Epicor & Excel to predict production standards & perform variance analysis on plant floor
- Collaborated with ERP group to reduce excess materials, parts, and labor within plant

SELECTED PROJECTS:

KPI Dashboards | *Work* | August 2020

- Analyzed time needed & expected output produced to overcome deficit incurred by line installation downtime
- Examined waste output per month, different quote comparisons for commodities, as well as creating an ARIMA commodity forecast of waste based on historical data

Fixed & Mobile Air Sensor Placement | *Academic* | January 2020

- Used R Studio to build an algorithm to optimally locate fixed and mobile air quality sensors using geospatial data

Solar Panel Analysis | *Academic* | April 2019

- Analyzed the efficiency and effectiveness of solar panel use across the US
- Determined a cost / benefit analysis for the differing locations using financial modeling and Excel

INVOLVEMENT:

Purdue Varsity Glee Club | August 2017 – Present

- Performed 40+ shows domestically & internationally each year
- Communicated with donors and sponsors to ensure the continued financial success of the group

