

MATT REILLY

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Education

PURDUE UNIVERSITY

Bachelor of Science, Industrial Engineering

Aug. 2016 — Dec. 2020 / West Lafayette, IN

Work Experience

Conagra Brands / Logistics Development Associate

Aug. 2020 — *Present* / Omaha, NE

- Planned outbound transportation & connected with carriers to cover 100+ daily shipments to core IMC's and customers
- Developed ML model to predict arrival status of outbound orders & mitigate delays with 78% accuracy
- Used R & Excel to validate late-arrival transportation fees, identifying \$30,000 in mislabeled times
- Converted 50+ SKU-level forecasts into co-man production plans to optimize global DOS using SAP & Blue Yonder

Conagra Brands / Manufacturing Intern

May 2020 — Aug. 2020 / Rensselaer, IN

- Created KPI dashboards utilizing R Shiny for a \$10 mil. large-capital project
- Generated master-schedule for a large-capital project to standardized plant communication and coordination with multiple external vendors

BraunAbility Inc. / Industrial Engineering Intern

May 2019 — Aug. 2019 / Winamac, IN

- Applied lean methodology to develop long-term solutions on manufacturing line
- Collaborated with ERP group to reduce excess materials, parts, and labor

Projects

Predictive Sales Dashboard (2022)

R, Shiny

- Built regression model using *XGBoost* to predict price point of various product varieties
- Created interactive sales dashboard to parse and display sales

CTA "L" Train Ridership Forecast (2022)

R, Shiny

- Aggregated & analyzed 15 years of CTA ridership data, transformed into an interactive dashboard
- Created time-series forecast using *Prophet* to predict short & long-term train ridership trends

Skills

- R (*dplyr, tidyverse, tidymodels, Shiny*)
- SQL
- Python
- MS Excel, Power BI
- Tableau
- SAP, Oracle, Blue Yonder

Certificates

- Google Analytics Certificate / 2022
- Business Science Predictive Dashboarding / 2022
- EBEC Purdue Python Certificate / 2020