

# Tyler England

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## EXPERIENCE

### Process Automation Engineer • BW Packaging Systems

Jul 2016 - Present

#### *Previously Applications Engineer, Design Engineer*

- Improved warranty claim processing and response time ~70% by building database infrastructure and front end GUI for warranty claims using VBA and SQL
- Created master dashboard to organize and display all data related to past projects, spanning three separate product lines — used daily by engineering for quick reference
- Tested clients' products and analyzed data for custom orders — average rate of 1.5 tests per month, 25% of which led to customer purchases
- Cut status meetings down to 1-5 minutes per project by automating project management and progress tracking through custom dashboards showing all KPIs
- Decreased quoting time ~90% by developing a program for automating quote creation and related administration processes using Python and Excel VBA
- Collected, transformed, and cleaned data to use for automation and analysis

### Design Engineer • Bosch

May 2015 - Jul 2016

- Designed comprehensive in-line and rotary liquid food packaging machines
- Collaborated with other engineers and machinists to minimize cost and production time

## FREELANCE & PROJECTS

### Digital Consultant

Mar 2020 - Present

- Analyzed consumer and survey data using Python to create Tableau dashboards — used for content marketing, inbound linking, and web traffic improvement
- Audited websites and related content — improved site navigation, developed copy, corrected miscellaneous page errors, revised documentation, etc.

### Baby Bottle Forecast

Jan 2021

- Collected and analyzed data to reliably predict newborn baby's next feed, both the time & the quantity of milk
- Programmed a Python tool to email out baby feed predictions — the GitHub repo was starred by 45+ people and received 1.3k+ upvotes on **Reddit**

### Playlist Bot

Nov 2020

- Developed a bot to allow the quick creation of Spotify playlists by parsing comments on Reddit posts (written in Python, utilizing wrappers for both Reddit and Spotify APIs)
- Bot has been successfully called by people to create 10+ playlists in 5+ communities

## EDUCATION

**Master of Science:** Industrial & Systems Engineering • University of Florida

May 2018

**Bachelor of Science:** Mechanical Engineering • University of Florida

May 2015

## SKILLS & TECHNOLOGIES

**Languages:** Python, SQL, Visual Basic / VBA, C, HTML / CSS

**Software:** MS Excel/Office, Tableau, Git, MATLAB, SolidWorks, AutoDesk Inventor, AutoCAD