

Tyler England

+1 (352) 777-2277
tyler@t-england.com



EXPERIENCE

Process Automation Engineer • BW Packaging Systems

Jul 2016 - Present

Previously Applications Engineer, Design Engineer

- Analyzed past project data to identify cost anomalies and amend pricing strategies for profitability — implemented improvements to prevent issues moving forward
- Decreased quoting time ~90% by developing a program for automating quote creation and related cost/pricing assessments using Python and Excel VBA
- Improved warranty claim processing and response time ~70% by building database infrastructure and front end GUI for warranty claims using VBA and SQL
- Created a Python program for automatically analyzing external client files — distributed the functionality to management and engineering teams by creating a Django site to serve it
- Automated project management and progress tracking through custom report dashboards to show all insights, KPIs, and trend visualizations for open projects
- 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 Data 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