

Tyler England

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EXPERIENCE

BW Packaging Systems • St. Petersburg, FL

Jul 2016 - Present

Process Automation Engineer (Previously: Applications Engineer, Design Engineer)

- Decreased quoting time ~90% by developing a program for streamlining quote creation and administration processes using Python and Excel VBA
- Cut status meetings down to 1-5 minutes per project by automating project management and progress tracking through custom dashboards showing all KPIs
- 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
- Collected, transformed, and cleaned data to make usable for automation

Bosch Packaging • Tampa, FL

May 2015 - Jul 2016

Design Engineer

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

Additional Experience

Ongoing

Baby Bottle Forecast

- Programmed a Python tool to email out baby feed predictions, using Google Keep and Gmail — ability to anticipate a feed (both time and quantity of milk) improved drastically
- The **GitHub repo** was starred by 35+ people and received 1.3k+ upvotes on **Reddit**

URS Converter

- Created a Python Django project to convert uploaded specification documents into custom-formatted Excel workbooks for engineering review and customer response
- Time required to review customer specifications went from months to days

Reddit Playlist Bot

- 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 5+ playlists in 5+ communities

EDUCATION

University of Florida • Gainesville, FL

Aug 2011 - May 2018

Master of Science: Industrial & Systems Engineering (May 2018 • GPA 3.6)

Bachelor of Science: Mechanical Engineering (May 2015 • GPA 3.3)

SKILLS & TECHNOLOGIES

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

Software: MS Excel/Office Suite, Git, MATLAB, LabVIEW, SolidWorks, AD Inventor, AutoCAD