

Tyler England

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RECENT WORK EXPERIENCE

Process Automation Engineer

Barry Wehmiller | St. Petersburg, FL | Mar. 2019-Present

- Developed tools for streamlining processes using Python
- Automated project management & progress tracking
- Transformed & cleaned data to make usable for automation
- Built database infrastructure & front end GUI using VBA & SQL

Applications Engineer

Barry Wehmiller | St. Petersburg, FL | Jul. 2018-Mar. 2019

- Created software to improve personal & departmental efficiency
- Analyzed test lab data to identify custom product solutions
- Generated machine layouts and quote documents for customers
- Supported the sales team with technical guidance

KEY PROJECTS

Warranty Database

- Built database infrastructure to track all warranty issues
- Developed front end GUI for team to easily utilize database
- Automated the querying, organization, and reporting of data

Document Processing

- Extracted data & transformed to a usable format using Python
- Built a server using Django to share functionality with entire team
- Time required to process client documents was decreased 95%

Project Monitoring

- Created reports on project trends & insights to facilitate decisions
- Developed a program to auto-generate project status snapshots
- Time required to create deliverables decreased 75%

Quote Automation

- Generated cost analyses & formal client quotes programmatically
- Updated CRM database to reflect new opportunities using Python
- Time required to produce quotes was decreased by 78%

EDUCATION

Master of Science in Industrial & Systems Engineering

University of Florida
Gainesville, FL | May 2018

Bachelor of Science in Mechanical Engineering

University of Florida
Gainesville, FL | May 2015

TOOLS

Python

SQL

Git

VB / VBA

C

MATLAB

CAD Software (2D & 3D)

SKILLS

Software development

Statistical/data analysis

Data visualization

System optimization

Process development

Technical writing

ADDITIONAL WORK EXPERIENCE

Design Engineer

Barry Wehmiller (Jul. '16 - Jul. '18)

Design Engineer

Bosch (May '15 - Jul. '16)