Jose Rafael Vasquez Perez

El Paso, TX | (915) 262-7786 | jrvasquez221@yahoo.com | jrvasquez221@outlook.com
Website:
https://jrvasquez3.github.io/joservasquezperez/

EDUCATION

Bachelor of Science in Industrial & Systems Engineering, Minor in Mathematics — Obtained: May 16, 2021
The University of Texas at El Paso (UTEP) — Overall GPA: 3.43

Certifications:
Lean Six Sigma Green Belt - Provider: Value Added Academy — Obtained: Oct 2021

SKILLS

- **Proficient**: VBA, Excel, Python (Flask, Tkinter/ttkbootstrap, openpyxl, pandas, numpy, matplotlib, Dash Plotly)
- **Working_Knowledge:** AutoCAD, AutoDesk Fusion 360, MiniTab, Maynard StandardsPro (BasicMOST), MATLAB, R, PowerShell (Windows), Bash (Linux), Data Visualization
- **Basic**: MS SQL, HTML/CSS, SAP GUI, Simio, Jack, HomerPro, Gabi, LogisticsCAD, Git, C programming
- **Languages_Spoken:** English, Spanish. **Other:** GBAC-Trained Tech, Medical Interpreter (English-Spanish)

WORK EXPERIENCE

Bilstein Cold Rolled Steel — *Nov 2021-Aug 2022*
Process Engineer — *Bowling Green, KY*
- Reduced manual shaft building process by 30 mins through reorganization of rack positioning using BasicMOST
- Created KPI and schedule planner in Excel VBA that integrated with SAP and SQL to improve data collection
- Reduced leveler calibration process at Infeed Unit from 30 minutes to 5 minutes by optimizing method
- Automated the filling out and printing of Quality Inspection Forms, eliminating manual entry (4.5 min per coil)
- Developed website using Python (Flask) with MS SQL database for operators to view schedule
- Developed Work Instructions, New Employee Training, & did CAPA & Ishikawa analysis for incidents at slitter
- Developed Inventory Management System using Python, Excel-based barcode generator, and SQL database
- Operated line, forklift, and crane, and resolved minor mech and IT issues at slitter (continuous improvements)

GermBlast — *Feb 2020- Nov 2021*
Field Supervisor-In-Training, Biological Responder — *El Paso, Tx*
- Led and supervised teams in the disinfection of school districts, healthcare facilities, and other facilities
- Investigated & developed PowerPoint trainings & quizzes for service technicians on equipment & chemical safety
- Expert in using electrostatic sprayers, steamers, foggers, and PPE (Full Face Mask, hazmat suit)
- Actively disinfected areas with active SARS-CoV-2 (COVID-19) using proper procedures
- Communicated effectively with clients to resolve discrepancies and planned service routes for the team
- Managed inventory of equipment, supplies (gloves, fibers, etc.), and disinfectants and other chemicals.

Delek US (7-Eleven) — *Jul 2018- Nov 2019*
Assistant Manager — *El Paso, Tx.*
- Administered inventory counts, daily deposits up to $20,000 weekly and supervised & trained 3 employees

UTEP Chemistry Department — *Aug 2018- Dec 2018*
Undergraduate Student Assistant — *El Paso, Tx.*
- Created, assigned, & graded homework & quizzes on weekly basis for Chemistry 1301 class of 15 students

Mathnasium — *Jan 2018- May 2018*
Math Instructor — *El Paso, Tx.*
- Guided students (grade 1-12) to learn math using worksheets appropriate to their level (taught up to Calculus 2)

PROJECTS

- **Senior Capstone Project, Application of COVID-19 Regulations in businesses, UTEP:** Developed MATLAB application (GUI) to model a queue of employers checking employee temperatures and solve M/M/1/GD/inf, M/M/s/GD/inf/inf, M/M/R/GD/K/K, and closed queuing systems problems. Conducted time study using Quetech to determine temperature check-in service rate and arrival rate at GermBlast's El Paso office, and performed critical design review (CDR) of the system using the data. **Jan 2021 - May 2021**
- **Industrial Layout: South Central Widget Co. Plans Expansion, UTEP:** Designed the office, production and warehouse spacing to optimize and minimize travel time using AutoCAD. Determined layout arrangement using activity relationships with BlocPlan for facility, production, & warehouse. **Oct 2020- Dec 2020**

HONORS & AFFILIATIONS

Alpha Pi Mu Honor Society, 03/2019-06/2021 • College of Engineering Dean's List Fall 2018 • Society for Industrial and S.E. (SISE), 09/2019-2021 • INCOSE Student Member, 08/2019-2020 • UTEP Philosophy Club, 08/2018- 2021