

Giovanni Harold

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SUMMARY: Passionate Industrial Engineer with a combined 16 months of experience and an affinity for Data Science. Majority of experience in manufacturing process optimization while at an electronics manufacturing company. Spent time as a Kaizen event leader, process analyser utilizing RCA, and SME in continuous improvement. Currently pursuing a career in Data where I can contribute to a team and expand my coding skills.

- Python for Data Science: Intermediate - 2020
- IISE Lean Green Belt Certification - 2020
- Stanford Online/Coursera Machine Learning Course Certificate - 2020

SKILLS:

Proficient: HTML/CSS, Python, MS Excel, MS Word, MS PowerPoint, Windows Operating System, Six Sigma
Lean Manufacturing methods such as: 5S, Kaizen Events, and Value Stream Mapping, Ergonomics

Knowledge: SQL, R, MATLAB, PHP, JavaScript, Octave, Machine Learning, Time Studies, Statistical Process Control, Visual Studio, GD&T, CNC Machining, C Programming, and Final Cut Pro

PROJECTS:

Portfolio Website — *Responsive Website Development*

- A personal project I started since graduating from Purdue University. In my class, Computers in Engineering, I received formal coding training and wanted to continue to develop my skills outside the classroom. I have created a responsive website that acts as an interactive resume and is the home of my Data Science projects. The website has a couple projects I have finished and more about me as an individual: www.gioharold.com

Cair Inc. — *Purdue University Course: Computers in Engineering*

- In this course, our team of 6 students were tasked with a semester-long project to design the technological infrastructure for an environmentally focused company. We acted as consultants and needed to generate a sensor network that monitored weather/pollution data given a city and budget. I volunteered to manage the database using MySQL. I lead the design and creation as well as wrote our queries, using HTML, PHP, and Google Maps API, to display a client's sensor network on a map on our website.

EXPERIENCE:

Visual Comfort & Co - Industrial Engineer, Skokie, IL ■ August 2021 - Current

- Developed a Python program to streamline a daily data exploration process and wrote instructions so the program and report could be utilized by individuals outside my team
- Created an excel spreadsheet, utilizing macros and Visual Basic, to track preventative maintenance schedules, generate alerts, and auto update entries
- Reviewed existing documentation to generate several site-wide templates for future process documents with revision control
- Resolved production 'Help Desk Tickets' by researching issues and using available resources to validate production errors and implement resolutions
- Assisted in designing and implemented a tray conveyor to minimize operator travel and improve ergonomics across several production lines
- Promoted and championed Lean Manufacturing and other continuous improvement initiatives across the facility

Scafuri Bakery - Process Analyst, Chicago, IL ■ Summer 2019 - April 2021

- Created several linked spreadsheets that could derive ingredient purchase quantities based on demand to streamline the ownership's daily workflow
- Stepped in as a process consultant when ownership entertained the addition of new products by examining production capabilities based on space, manpower, and time constraints
- While operating as a manager, maintained a positive and productive attitude handling customer and employee feedback
- Observed long standing bakery processes to create training manuals for new personnel

The Morey Corporation - Engineering Co-op, Woodridge, IL ■ Fall 2017 - Summer 2019

- Monitored PCBA lines daily and implemented Statistical Process Control
- Kaizen Event Contributor and leader to include extensive line observation, Value Stream Map creation, presentation to executive team members, and improvement implementation follow-through
- Created and updated APQP document packages, including Control Plans, PFMEAs, and Process Flow Charts while creating metrics for standardizing rating criteria
- Successfully coordinated with executive team members, operators, in-house fabricators, purchasers, and management staff to facilitate smooth cell migration

EDUCATION:

Purdue University, West Lafayette, IN ■ 8/17/15 - 5/9/2020

- Bachelor of Science in Industrial Engineering
- University-Industry Cooperative Education Program in Engineering
- Cumulative GPA - 3.06, Final Three Semesters Cumulative GPA - 3.50
- Spring 2020 Semester Honors
- Member of Theta Tau Professional Engineering Fraternity

Extra Curricular

- Represented Phi Chapter of Theta Tau Professional Engineering Fraternity at annual Regional Conventions and biennial National Convention handling bylaw changes and chapter development. Held roles of corresponding secretary and new member educator
- Participate in intramural sports: Ultimate Frisbee, Basketball, and Softball
- Institute of Industrial and Systems Engineers member