

# 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 automotive manufacturing line optimization while at an electronics manufacturing company making Ford oil pump controllers. Spent time as a Kaizen event leader, process analyser utilizing RCA, and defect monitor.

- Illinois BIS APQP and PPAP Certification - 2019
- IISE Lean Green Belt Certification - 2020
- Stanford Online/Coursera Machine Learning Course Certificate - 2020

## **EXPERIENCE:**

**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
- Oversaw the validation of customized automated machinery for an automotive production line
- Studied outdated production line to design and create an improved version resulting in a smaller facility footprint, preferred ergonomics, updated Operator Instructions, and modular design
- Responsible for relocation and implementation of revised product line on the shop floor
- Successfully coordinated with executive team members, operators, in-house fabricators, purchasers, and management staff to facilitate smooth migration

**Scafuri Bakery** - Process Analyst, Chicago, IL ■ Summer 2019

- Developed and implemented a process improvement plan for online order and fulfilment tracking to mitigate repeated field returns
- Observed long standing bakery processes to create training manuals for new personnel
- Acted as a process consultant when ownership entertained the addition of new products to assist with understanding production capabilities based on space, manpower, and time constraints

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

## **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

## **PROJECT:**

**Portfolio Website** — *Responsive Website Development*

- A personal project I started since graduating from Purdue University. In one of my classes, Computers in Engineering, I got extensive exposure to coding and wanted to continue to develop my skills outside the classroom. I plan to create an interactive resume on my website and publish my Data Science projects as I finish them. The site is currently in development but the early stages can be viewed now: [www.gioharold.com](http://www.gioharold.com)