

ADÁN RESÉNDIZ

jadanrl@hotmail.com | 437-232-4675 | linkedin.com/in/adán-reséndiz | Pembroke, ON K8A 1Z7

PROFESSIONAL PROFILE

Dynamic and results-driven professional engineer with over four years of experience and a passion for standing out in diverse endeavors. Specialized in process optimization and continuous improvement. Devoted to leaving a positive impact on the lives of others and serving as a catalyst for positive change. Recognized for my rapid learning ability and proactive approach to challenges. Pursuing an opportunity within a dynamic company where my proactive attitude and steadfast commitment to personal and professional growth can significantly contribute to overall success.

PROFESSIONAL EXPERIENCE

PFMEA-VDA Engineer – TAXAN México (KAGA Electronics)

Mar 2022 – Jun 2023

Company dedicated to the manufacturing of electronic components for automotive customers.

- Leader in reverse PFMEA tours to analyze causes, modes, and effects of failure, test prevention and detection controls, or suggest new ones as needed according to AP levels and driving continuous improvement initiatives.
- Involvement in APQP-PPAP meetings to review progress changes and manage project timing for new project introductions.
- Act as PFMEA champion and provide training on this Core Tool to all levels of the organization.
- Participation as an internal auditor for IATF 16949:2016 and Soldering System Assessment CQI- 17, including pre-audit meetings, floor audits, preparation of the closing meeting, monitoring of pending actions, and closing of actions.
- Participation in IATF 16949:2016 and ISO 9001 audits, preparing all the documentation and being in the front line during the audit process.
- Migration of PFMEA from PFMEA 4th edition to the latest version of PFMEA AIAG-VDA, including weekly meetings with a multidisciplinary team and the development of a new format and procedure according to the newest version.
- Follow up on customer complaints, 8Ds, and PFMEA prevention/detection actions, evaluating the effectiveness of the actions and developing mitigation plans when necessary.
- Creation and updating of specific and general PFMEAs, as well as monitoring actions with a focus on preventing or detecting failure modes and potential causes.

Manufacturing Process Engineer – TAXAN México (KAGA Electronics)

Mar 2021 – Mar 2022

Company dedicated to the manufacturing of electronic components for automotive customers.

- Development of continuous improvement project focused on Lean/Six Sigma methodologies to increase the capacity of welding robots, reducing cycle times by 65%, changing the method, and eliminating defects, ending with a total savings of 17K USD per year in the process.
- Involvement in budget calculations and RFQs creation for new projects, including new equipment acquisitions.
- Tooling design such as wave solder pallets and routing plates, with a focus on DFM and DFA methodologies to eliminate manufacturing inefficiencies and improve the assembly processes.
- Design of layout for new projects production lines with a focus on one-piece flow, including new station creation with their corresponding 5's standards, poka-yokes, analysis of capacity for each line, WIP calculation, budget control monitoring, and documentation such as standard operating procedures, safety sheets, training in line and delivery formats to production line.
- Integration and development of more than ten new projects for automotive customers, following APQP and PPAP requirements, and meeting quality specifications according to engineering drawings and industry standards (IPC-A-610).
- Design of processes including parameterization of wave solders, conformal coating machines, router machines, soldering robots, and temperature profiling.
- Follow up on customer complaints, support troubleshooting, and defect elimination for PCBs in production lines, including 8Ds analysis, nonconformities report generation and closing containment and correction actions.

Manufacturing Engineering Trainee – TAXAN México (KAGA Electronics)**Sep 2020 – Mar 2021***Company dedicated to the manufacturing of electronic components for automotive customers.*

- Development of continuous improvement project focused on Lean/Six Sigma methodologies to increase the use of the capacity in wave soldering machines, achieving increases in capacity use of up to 63% by eliminating bottlenecks and exploiting the restrictions, avoiding investment costs in machinery and manpower of up to 346K USD.
- Support in documentation for production lines such as work instructions and parameters sheets.
- Line capacity calculation, line balancing, and waste reduction for improvement of production lines.
- Development of PFMEA (Closing non-conformities of IATF 16949).
- Follow up on customer complaints, 8Ds, support troubleshooting, and defect elimination for PCBs in production lines.

Manufacturing Engineering Intern – General Motors México**Mar 2019 – Mar 2020***San Luis Potosi Complex, transmission area.*

- Project management "Assessment" Project to monitor and select parts for reprocessing in leak testers with a focus on reducing cycle times by waste reduction.
- Interpretation of drawings (GD&T), tool layouts, and CNC Programs to carry out documentation, using AutoCAD and SolidWorks software.
- Realization of PFMEA with its corresponding meetings and action plans.
- Preparation and review of documentation to ensure agreement for audit purposes, including control plans, process charts, calibrator verification programs, visual aids, and work instructions, among others.

EDUCATION**Diploma in International Business Management, Greystone College of Business****Jun 2023 – Jun 2024**

- Elected ambassador for outstanding academic and social performance.

Engineering in Systems and Industrial Technologies, Universidad Politécnica de San Luis Potosí**Aug 2016 – Jun 2021**

- Canadian equivalency: Bachelor's degree (four years) according to WES institution, ECA REF#6339425IMM.

CERTIFICATIONS

- AIAG-VDA FMEA (Awarded by SPC consulting group – C22/1025-01)
- IATF 16949:2016 Intern Audit based on ISO 19011:2018 (Awarded by SPC consulting group – C23/0120-06)
- SPC Statistical Process Control (Awarded by SPC consulting Group - C21/0514-03)
- Risk management based on ISO 31000:2018 (Awarded by SPC consulting group – C23/0217-06)
- Microsoft Office Specialist 2016 (Awarded by UPSLP)
- Design and Analysis of Experiments (Awarded by Udemy Academy – UC-a9134619)

SUMMARY OF SKILLS

- Cheerful outlook: able to be optimistic even in the most demanding situations.
- Good collaborator: always helping others and sharing my knowledge to grow up together.
- People person: able to relate with others easily and keep long-term relationships.
- Fast learning: able to adapt fast to an unfamiliar environment and learn quickly on the job.
- Troubleshooting under pressure: able to analyze and make good decisions in critical situations.