

CARMEN PARK

Orlando, FL

carmenparkengineer@gmail.com

Mobile (407) 416-4655

Hello! My name is Carmen Park. I have a bachelor's degree in Industrial Mechanical Engineering and currently pursuing full time my MS in Data Analytics at Penn State University. I have a broad background working in the automotive, telecommunications, semiconductor, electronics, and defense industries, for high tech companies such as Ford Motor Electronics, GM-Lear Corporation, Lucent Technologies (Bell Labs), Qualcomm Communications and Kaman Aerospace as part of multi-disciplinary teams. During my 20-year career I have held the positions of manufacturing, quality assurance, voice of the customer, supplier quality, new product introduction, and product / project Lead Engineer. I was the implementation Manger of QS900 / ISO1400 in a 5000 employees Ford Motor plant. Throughout my career I realize that the success in my life and professional work has always revolved around my ability and passion for analyzing facts and data to make decisions.

My short-term career plan is to transition to a Management role where I can increase my influence and impact within the organization through the utilization of advanced data analytics. As I work to master the advanced techniques of data analytics, I see myself in an Executive role within a progressive organization that understands and has a need for advance data analytics to solve difficult problems. I am very motivated and ready to make a big impact in the work force.

My passion lies in mastering the application of the data analytic tools, that many major corporations are implementing today. Having successfully transitioned from one industry to another, I have proven I can turn these experiences into opportunities to learn and share knowledge and best practices from previous industries to the next. Due to my experience working in operations, quality, and supply chain departments, I am able to see the big picture of the business, and how every department is interlinked to achieve the company's goals. One of the key aspects that has been a constant in my professional life is the desire to improve processes and eliminate root cause of problems utilizing data. I love that quote that says, "In God we trust, all others must bring data" and I have lived with that motto my whole career.

For example at Qualcomm in San Diego, CA where I was the New Product Introduction Lead Engineer for Corporate R&D, I launched the 1st Wi-Fi on planes currently known as the Go-Go Air Inflight System. Working with Qualcomm R&D teams analyzing product performance and correlating test and manufacturing data to quickly improve the design, was one of the most rewarding experiences I have had in my career.

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PROFESSIONAL SUMMARY

I am an Industrial-Mechanical Engineer with 20-year engineering experience as a Manufacturing / Quality Assurance / SQE / Voice of the Customer / New Product Introduction and Product / Project Lead Engineer for the automotive, telecommunications, semiconductor, electronics, and defense industries, including Business Owner. I am a problem solver and a leader by nature. I am very curious and love to learn new things every day. I have been a valuable contributor during the design of products, implementing metrics to improve process yields in manufacturing and to deliver on time to customers. I work very well in a fast-paced environment and can quickly analyze and troubleshoot complex technical problems utilizing team-oriented problem-solving techniques. I have a broad background working for high tech companies such as Ford Motor Electronics, GM-Lear Corporation, Lucent Technologies (Bell Labs), Qualcomm and Kaman Aerospace as part of multi-disciplinary teams.

EDUCATION

Master of Science in Data Analytics degree candidate – GPA = 3.8 - Penn State University - anticipated completion December 2021.

Coursework: Data Mining (algorithm modeling, simulation and forecast with Knime, Python, Excel), Database Design (SQL, Non-SQL Databases), Applied Statistics (R, Minitab), Predictive and Enterprise BI Analytics (Tableau), Data-Driven Decision Making.

Bachelor of Science - Industrial Engineering (Minor Mechanical) - GPA = 3.7/4.0 Technological Institute of Chihuahua, Mexico.

TRAINING & OTHER SKILLS

Lean Six Sigma Green and Black Belt Ford Motor Training, SPC, AS9100, ISO9000, QS9000, TL9000, ISO14000, Internal Auditor, 8D-A3 Team Problem Solving, APQP, PPAP, QOS, QMS, IATF 16949, Control Plan, FMEA, MSA. TPS, Tableau, Fluent in Spanish, Proficient with MS Windows Office Products, Agile, Minitab, Oracle, ERP systems, TipQA, Python, SQL, AIAG, Knime, BI tooling.

PROFESSIONAL EXPERIENCE

Sr. Product Assurance Engineer – Kaman Aerospace, Orlando FL January 2019 to June 2020

- Led Successfully Customer witness LAT (Lot Acceptance Test) & FAT (Final Acceptance Test) for **JASSM**, FMU-139, & JPF (Join Programmable Fuze) Fuze line. Customers: **Lockheed Martin**, L3 Harris, USG Customers, and others.
- Received Kaman's Director's Award for Leading the SM3 Missile Switch FRB (Failure Review Board). Acted as Kaman's main point of contact with Raytheon Missile Systems during the FRB. Project Engineer.
- Developed an organic methodology to evaluate Kaman's Missile Systems manufacturing process to improve quality, leading Test and Manufacturing Engineers and Technicians utilizing Lean Six Sigma methodologies to implement engineering changes to improve our process and suppliers' quality. Improving On-Time Delivery from 30% to 67%.
- Led a WALK (Women Advocating for Leadership at Kaman) Corporate Project. Led Orlando WALK Chapter.

President / Owner – CDS LLC. – Connections, Distribution & Services. January 2012 to August 2018

- Developed international supply chain and wholesale strategy plan in the US for fine sterling silver jewelry.
- Developed company website with live update product specifications and availability, created internet promotions and ads.
- Sole source translation services contract with Little Rock and Pulaski County School District in Little Rock Arkansas.

New Product Introduction Lead Engineer – Qualcomm Inc, San Diego, CA October 2007- May 2010

- Launched, the 1st Wi-Fi Inflight Internet product **go-go inflight service** with 100% On-Time Delivery to Delta & Virgin Atlantic Airlines as the NPI Engineer Lead.
- Led Corporate R&D builds ensuring final assembly and test first pass yield of 90% for Corporate R&D Semiconductor products.
- Developed and improved manufacturing process documentation, control plans, FMEA, quality test plan, performance metrics, inspection procedures of OEM products, rework methods and defined manufacturing routes by interpreting schematics, drawings and product specifications, ensured on time delivery to customer (Corporate R&D Builds).
- Led Corporate NPI pre / post build meetings, summarized build reports, tracked issues with corrective actions, and identified trends by analyzing production data from MES (Manufacturing Execution System), correlated results with customer test yields, in order to identify appropriate root cause, containment and corrective action, in order to prevent recurrence.

- Performed Failure and Root Cause Analysis on circuit boards, components, and modules. Utilized IPC standards, x-ray, AOI, inspection, gages, measuring equipment and cross-section visual inspection tools. Interpreted electrical schematics, wiring diagrams, product specifications to analyzed and troubleshot simple and complex technical process issues. Good drawing/blueprint and Geometric Dimensioning & Tolerancing (GD&T) interpretation skills. Monitored and controlled rework, scrap, and non-conforming material. As leader of the Material Review Board (MRB) successfully maintained aging to less than 5 days. Supervised two technicians. Represented Supply Chain Manufacturing at DFX Corporate meetings
- Assessed, audited, and implemented key/critical ISO-9001 manufacturing process documents for Qualcomm R&D Supply Chain Division to ensure compliance to product specifications and engineering drawings.

Supplier Quality Engineer Lead, Lucent Technologies Bell Labs Inc.

April 2000 - Sept 2007

- SOE Fiber Optic Components for Optical Networking Group in North Andover, MA. Led strategic optical module & component suppliers to improve their yields, capacity, and quality reflecting in Lucent product performance. Generated and presented monthly quality reports at management reviews.
- Worked with Bell Labs R&D teams to help suppliers introduce new connector technology into manufacturing. Developed and improved fiber optic connector cable assembly processes by implementing quality requirements in support of Lucent's cable sourcing strategy. (LC, ST and MPX connectors). Created incoming inspection standards conforming to ISO9000.
- Performed Failure Analysis on parts returned from customers and process fallout. Leader of the Material Review Board (MRB).
- Led cross-functional team during supplier capability assessment audits (SCA) of major Optical Device Suppliers in the UK, Mexico, Canada, and the US.
- Represented manufacturing at DFX initiative meetings, during the Lambda Router product introduction MEMS (Received Award)
- SOE Fiber Optic Components for Corporate Supplier Chain Management Group in Holmdel, NJ. Led Supplier Management Group's TL9000 (AS9100) implementation and certification. Performed internal audits of supply chain management and purchasing procedures. Re-Engineered newly centralized Contract Management, Negotiations and Supplier Metrics System.
- Implemented Balanced Score Card to measure NPI consistently across Lucent businesses. Coordinated the release of new products between design, manufacturing, and supply chain. Implemented a "Safe Launch" program for a new flagship product with 8 strategic suppliers. Implemented NPI development metrics to track Time-to-Market, target cost, and overall quality.

Quality Engineer – GM Lear Corporation Automotive Interior Division, Warren, MI, USA

June 1999 - April 2000

- Led General Motors quality issues resolution for Lear North & South America operations. Tracked issues with corrective actions, and identified trends, ensured problem resolution, and ensured suppliers and program personnel met commitments to improved yields and customer satisfaction. Presented JD Powers and global quality reports to the client at the monthly GM Division meeting.

Lead Engineer - Ford Motor Company

June 1994 - June 1999

- QS9000 & Quality Operating System Lead. Led implementation of QS9000, ISO14001 & certification of 5000 employees' plant. Led and scheduled QS9000 and ISO14001 internal audits. Supervised two engineers responsible to created and maintained QS9000 and ISO14001 websites. IATF 16949
- Led plant's monthly Ford Quality Operating System (QOS) review of key metrics with Ford Corporate staff in Dearborn, MI.
- Quality Engineer. Led & collaborated with SMT manufacturing engineers to implement SPC across all electronic SMT assemblies.
- Supervised 15 inspectors. Generated quality reports & presented at monthly management reviews.
- Worked with product designers to develop product manufacturing quality standards, utilizing APQP and PPAP methods
- Manufacturing Engineer Speed Control Modules Final Assy. Developed criteria and repair procedures for reworking Ford and Toyota speed control modules. Verified, maintained, and improved the tooling for automation equipment. Performed gage R&R, capability, and DOE studies on manufacturing equipment. Performed Failure Analysis on customer returns & documented results.

OTHER EXPERIENCE

- Board Member Central Florida Society of Women Engineers - 2009 to Present: Mentor & Panelist at SWE UCF Mystery Design (Orlando), UT & SMU Design your World Dallas, TX, outreach events for middle and high school girls. Advice Science Fair Teams. STEM career options for K to 12 girls, Scouts and SWE events.
- Cofounded Girls Unity Club at Rock Lake Middle School, to empower girls to practice their leadership skills. The Club has been recognized and invited every year to Orlando Business Journal Women of the Year Luncheon since 2016.
- Girls Scouts of America 2009 to 2016: Lead Brownies, Cadettes and Ambassador Troops, with the goal to teach and focusing on STEM, Nature and Outdoor Badges. Earned Eagle Scout Award at Scouts of Mexico.

CARMEN PARK

- Orlando, FL, USA

Contact Information

- 5tz-dpb-9wt@mail.dice.com (Preferred)
- 4074164655 (Preferred)

Work History

Total Work Experience: 26 years

- **Sr. Product Assurance Engineer | Kaman Aerospace**
Jan 01, 2019 - Jun 01, 2020 | Orlando FL United States
- **President / Owner | CDS LLC**
Jan 01, 2012 - Aug 01, 2018
- **New Product Introduction Lead Engineer | Qualcomm Inc**
Oct 01, 2007 - May 01, 2010 | San Diego CA United States
- **Supplier Quality Engineer Lead | Lucent Technologies Bell Labs Inc**
Apr 01, 2000 - Sep 01, 2007
- **Quality Engineer | GM Lear Corporation Automotive Interior Division**
Jun 01, 1999 - Apr 01, 2000 | Warren MI United States
- **Lead Engineer | Ford Motor Company**
Jun 01, 1994 - Jun 01, 1999

Education

- **Masters**, No Dates Provided | Penn State University

- **Bachelors**, No Dates Provided | Institute Technological of Chihuahua

Skills

- **qa** | 16yrs | 2019
- **engineering** | 15yrs | 2019
- **leadership** | 15yrs | 2019
- **manufacturing** | 15yrs | 2019
- **supply chain management** | 17yrs | 2018
- **internet** | 15yrs | 2018
- **specification** | 15yrs | 2018
- **reporting** | 16yrs | 2010
- **assembly** | 15yrs | 2010
- **audit** | 15yrs | 2010
- **inspection** | 15yrs | 2010
- **iso 9000** | 15yrs | 2010
- **controls** | 15yrs | 2010
- **metrics** | 15yrs | 2010
- **mrp** | 15yrs | 2010
- **npa** | 15yrs | 2010
- **procedure** | 15yrs | 2010
- **as9100** | 15yrs | 2007
- **failure analysis** | 12yrs | 2007
- **implementation** | 12yrs | 2007
- **acceptance testing** | 15yrs | 0
- **agile** | 15yrs | 0
- **analytics** | 15yrs | 0
- **apqp** | 15yrs | 0
- **automotive** | 15yrs | 0
- **business analysis** | 15yrs | 0
- **business management** | 15yrs | 0
- **business operations** | 15yrs | 0
- **change management** | 15yrs | 0
- **coaching** | 15yrs | 0
- **continuous improvement** | 15yrs | 0
- **data analysis** | 15yrs | 0
- **data collection** | 15yrs | 0
- **database** | 15yrs | 0
- **design engineering** | 15yrs | 0
- **development management** | 15yrs | 0
- **engineering management** | 15yrs | 0
- **gd&t** | 15yrs | 0

- **microsoft project** | 15yrs | 0
- **microsoft visio** | 15yrs | 0
- **operations** | 15yrs | 0
- **process improvement** | 15yrs | 0
- **project management** | 15yrs | 0
- **sql** | 15yrs | 0
- **business intelligence** | 8yrs | 0
- **erp** | 6yrs | 0
- **corrective and preventive action** | 15yrs
- **cross-functional team** | 15yrs
- **data qa** | 15yrs
- **decision-making** | 15yrs
- **design for manufacturability** | 15yrs
- **lean six sigma** | 15yrs
- **presentations** | 15yrs
- **product owner** | 15yrs
- **telecommuting** | 15yrs
- **design**
- **lean**
- **six sigma**

Work Preferences

- Likely to Switch: Most Likely
- Willing to Relocate: Yes
- Travel Preference: Up to 25%
- Work Authorization:
 - US
- Work Documents:
 - US Citizenship
- Security Clearance: No
- Third Party: No
- Employment Type:
 - Full-time

Profile Sources

- LinkedIn: <http://www.linkedin.com/in/carmen-park-engineer>
- Dice: <https://www.dice.com/employer/talent/profile/be2b3dd67a893d59f503d66f9ea9bc088f7c4b43>