**LEANARD J. HUNT**

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1. **309-7159**

**leanardmt2019@yahoo.com**

**PROFESSIONAL OBJECTIVE:**

To obtain a position as a Mechanical/Electronic Quality Engineer utilizing my advanced 2D/3D Programming, 3D Printing, 3D Scanning, and technical skills.

**QUALIFICATIONS FOR MECHANICAL/ELECTRONIC QUALITY ENGINEERING WORK**

Human Relations experience including Customer/Supplier Representative Customer, Expeditor, Orientation Training, Employees Training, Supervisory, and Management.

**Technical Specification:**

Experience including Document Control, ISO 9000-9002/GMP, Cage-Code, ESD, Safety Procedures, MSDS, Medical Mfg. Std. 13485:2003, ISO17491, Verification & Validation, Gage R&R, Regulatory RoHS, Mil. Std. AS9102 FAA procedures, MS, NAS, AN, SDS,Military Plating Spec., AMS/GPS/MIL/ASTM/EMS/HT, and ANSI Y14.5, Calibration Std. NIST ISO/IEC 17025 [45662A], ANSI Z1.4, ANSI Z540, Marking StdAS478, and SPOC Manuel. Internal & Lead Auditor for ISO 9000/9001/9002. Open Knowledge of Electronic Mil STD IPC-610-A & J-STD-001 Rev-D & Chem-Mill/Contour Sketched and Clad Testing.

**Technical Manufacturing experience** including Assembly/Sub-Assembly, Metrology Calibration, Measuring & Test, Contour, Equipment, Springs Tester, Precision Tools, Saw [Amanda], Gage R&R, Capability Studies, PQ, OQ, IQ, DOE Analysis, and Troubleshoot to component level. F/A’s, In-process-Inspection, Open knowledge of Fuel Isolator Thermal, Hydraulic, and Fuel as well as Ferrules part.

**Programming/Operate Automated/Manual Machinery**:

OMM [Quick Vision Apex], OGP SmartScope Flash/Quest [MeasureMind 3D], CMM Mitutoyo [QS5000/MCOSMOS], CMM Hexagon Advance Global, Zeiss [Calypso], Cincinnati , Brown & Sharp [, RAM Optical [Measure X], Optical Comparator, SPC Quantum, Gear Tester, Toolmaker Microscope.

**Technical Documentation:**

Experience with Blueprints & Schematics and open knowledge of debarring, surface finished, hardness and fabricated coated parts as well as open knowledge of 3D Scanning, 3D Printing, 3D Laser Cutting, Injection Molding Process, Housing Plastics[Ribs/Bosses], Mold Cavities, Fuel Isolator Thermal, Hydraulic, Fuel, Printers, Ferrules, Springs, Bearings, Gears, Hydraulic, and Pneumatics Systems and Chem-Mill & Contour Sketch and Clad Test [NDT] in the Industrial, Commercial, Medical, Aerospace, and Automotive Industries Domestic & Internationally.

**3D Scanning/Laser/Printing**:

Experience including Fortus\_mc250-450 [Stratasys], Object\_500 [Object Connex], 3D Laser [Tortec\_3000], and 3D Wax Printer Project MJP3600 [3D System], Monitor Waste/Material, Material Waste Monthly Report, and Cleaning Support[Waterjet/Tank]. Quick Fixture Mode, Fixture Builder [Iron CAD 2011], 3D CAD Model creating 2D/3D fixtures using software SolidWork 2013-2017, Insight, Pro-Engineering -Creo 3.0 [2013-2017],3D Model, and Object Studio.

**Computer Data /Software**:

Experience in Data Entry, Networking, Windows XP, Citrix, Windows NT, Microsoft Windows 2003/2010, MQ1, Envision , Excel, GageTrak and Manually/Automated CMM Programming analysis with OMM CMM machines Mitutoyo [Geo-Measure 6000/ QS-5000/MCOSMOS] & CMM Hexagon Metrology Zeiss, Cincinnati, Brown & Sharp [PC-DMIS 4.2 2010-2012, CAD++ 2013, 2014], and OGP- Smart Scope Flash/Quest 200-650 Series [MeasureMind, MeasureMind 3D, Measure X, Smart Report, Smart Feature, OMM machine [Qv-Pak Ver.10], and Vision Camera [Stream Essentials]

SUMMARY OF WORK EXPERIENCE:

Essai, Phoenix, AZ-Self-Contractor, Sr. Manufacturing Technician                                                         04/2018-08/2018

Assist  the engineering department with Inspecting & visual inspecting in house machines, molded, electronic components ,and assembly/sub-assembly  products for Validation Process, First-Article, In-Process,Prototypes, Test Analysis, and Written Reports Open knowledge OGP Smart Scope [Flash]  Programming. Fixture-Building, Set-up and Layout mechanical precision tooling for angular parts.I Set-Up and written data report in excel as well as Implemented non-conforming parts on CPR [NCR] and Maintain Control Inventory & Documentation.

**RGBSI, Prett &Whitney[UTC], N. Berwick, ME-Self-Contractor CMM Programmer/Offline/Online 09/17 - 12/17:**

Assist the engineering department with customer Inspecting Aerospace products for Validation Process, FAI , In-Process, and Prototypes for Assy./Sub-Assy. Open knowledge CMM Brown & Sharpe/Zeiss [ PCDMIS MR12017/Calypso] Programming/Operator Set-up and Layout mechanical parts on the CMM Surface Plate. I Set-Up and written data report in excel as well as Implemented non-conforming parts on CPR [NCR] and Maintain Control Inventory & Documentation.

**Intel, Tempe, AZ-Self-Contractor Manufacturing Technician 02/17 - 08/17:** Assist the engineering department with customer Inspecting Semiconductor [SMT] products for Validation Process, In-Process, and Prototypes for Assy./Sub-Assy. Open knowledge VM Keyence and OGP SmartScope [Flash] Programming/Operator Set-up and Layout mechanical parts on the Surface Plate. I Set-Up and written data report in excel as well as Implemented non-conforming parts on CPR [NCR] and Maintain Control Inventory & Documentation. Inspect & Test Electronic Components.

**OCULUS VR Pro-Unlimited, Seattle, WA-Self-Contractor Metrology Technician 04/16 - 11/16:**

Assist the Engineers, Doctors, and Project Managers Departments with AR/VR products measurement for FAI, Gage R&R, and Prototypes for Assy./Sub-Assy. as well as Product Design. Experience in Setting up Metrology Lab, FAI, Gage R&R Studies, Test Analysis, Written Report, Export Point-Cloud Data, Maintenance, Set-Up Procedures. Programming CMM “Optiv Performance” [PCDMIS CAD++ 2015-2016] using measuring tools Tactile Probe, Optical-Vision [Zoom], and White Light Laser [CWS] Experience as a 3D Printer Technician, Operate & Support 3D Printers-Laser Cutting- Maintenance, Bath Cleaning,Troubleshoot, and Monthly Report **MICROSOFT Corp,/Experis, Seattle, WA-Self-Contractor Metrology Technician 02/14 - 04/16:**

Assist the Engineers & Project Managers Departments with customers products AR/VR measurement for FAI, Gage R&R, and Prototypes for Assy./SubAssy. as well as Product Design, Experience in Setting up Metrology Lab, FAI, Gage R&R Studies, Test Analysis, Written Report, and Set-Up Procedures. Programming CMM [PCDMIS CAD++ 2013-2014], Programming Visual machine OMM [Optical Measuring Machine] QVPAK, Written Set-Up Instruction and Test Protocols. Experience with AutoCad2014, Sketch Up, Solidworks 2013/2014, Pro Engineering [Creo 2.0/3.0] to help verify dimension per print and measurement and Export Data Analysis [Data Page], as well as design and create 2D/3D models Test Fixtures for part routine measurement analysis. Maintain Internal & External Calibration as well as maintain Control Inventory & Documents.

**GW Plastic/Adecco, Tucson, AZ-Self-Contractor CMM/Smart Scope Programmer/Mechanical Technician III 01/13 -11/13:**

Assist the Engineering & Tooling Department with customer Inspecting Medical products for FAI, In-Process, Start-Up, and Prototypes for Assy./Sub-Assy. Experience in Implement of Verification & Validation process IQ, OQ, PQ, DOE, and Gage R&R Studies. Train and teach employees QAT's, Engineering, and Customers in Test methods, Programming, and Operating CMM, RAM, and Precision Tooling. Written Set-Up Instruction and Test Protocols for production. Open knowledge working with AutoCAD2014, SolidWork PCDMIS 2013, and Sketch Up to help design and create Test Fixtures for part routine programming. Maintain Internal & External Calibration NIST ISO/IEC 17025 with software GageTrak as well as maintain Control Inventory & Documentation.

**Goodrich-Cargo System/VTR, Jamestown, ND- Self-Contractor Assy. Inspection/Mechanical Technician 01/12 - 12/12:**

Assist the Engineering Department/A.I./P.I./Source Inspector as a Certified Operator for FAI, In-Process, and Assy./Sub-Assy. Open knowledge Boeing Cargo System Spares, 747, 767, 777, and 787 Assy./Sub-Assy. Parts as well as sheet metals and casting inspection. I am very familiar with software/application SAP, LMS, Pilgram, Nadcap, IHS, Exostar , Boeing Partner Network, and ASAP. I also work as a CMM Operator [LK, Mitutoyo] as well as do Visual Inspection and Written QN’S [NCR] & Data Report Analysis, Inspection Pick-Up, Re-Inspection Process, and Maintain Inventory & Documentation.

**ASP/Kelly Services, Irvine, CA- Self-Contractor CMM/Smart Scope Programmer/Mechanical Technician III 09/11 - 01/12:**

Assist the engineering department with customer Inspecting Medical products for FAI , In-Process, and Prototypes for Assy./Sub-Assy. Open knowledge CMM Brown & Sharpe[ PCDMIS-CAD-2013] & Smart Scope Flash 500 Programming/Operator Set-up and Layout mechanical parts on the CMM Surface Plate. I Set-Up and written data report in excel as well as Implemented non-conforming parts on CPR [NCR] and Maintain Control Inventory & Documentation.

**Stryker Orthopepics/Mahwah, NJ-Self-Contractor CMM/Smart Scope Programmer/Mechanical Technician 09/10 - 04/1:**

Assist the Team Project Managers and Engineers department with OGP Programming/Inspection FAI, Validation Machines/Parts & Production Run, and Set-Up Calibration [Station/Reticle/Master Ball]. Assist in implementing and maintaining the Quality Assurance Program to ensure all products consistently followed GMP and ISO compliance. Prepare and written procedure as well as conduct internal/external audits, investigation, and following up of inspection. Train others on corporate Q.A. Tools, Quality Standard, Guidelines/GMP, and Programming & Calibration.

**MasterCraft Companies/Phoenix, AZ-Self-Contract CMM/RAM Optical Programmer /Q.C. Inspector 01/09-09/10:**

Assist engineering department with customer tooling/fixtures as well as Medical products for FAI as a Mechanical/Electronic Inspector for Assy./Sub-Assy. Open knowledge CMM Mitutoyo & RAM Optical Programming/Operator Set-up and layout mechanical parts on the CMM surface plate and programming analysis Monitor machines for production, FAI, and Prototype parts. Implemented non-conforming parts on CPR [MMR] and Maintain Control Inventory & Documentation.

**FutureLogic, Inc.-Glendale, CA-Relocate-Phoenix, AZ CMM/SmartScope Programmer / Q.C. Inspector 09/05-10/08:**

Assist engineering department with Setting up Metrology Lab and Receiving & Calibration Dept. Lead inspector for mechanical & electronics Assembly as well as Sub-assembly, MRB, and Receiving Dept. Set-up and Layout mechanical & electrical parts on the OGP- Smart Scope Flash 600 and programming analysis. Lead Internal Auditor for ISO 9000/9001. Monitor production lines and Inspect & Measure Equipment to customer specification. International inspection on the Surface Plate & Programming analysis. Interpret & re-modify complex engineering drawing. Assisted engineering SettingUp SPC Mini Tab for Supplier Evaluation. Test & Monitor Torque Drivers for production lines.

Inspect & Test Electronic Components [Semi-Conductors & PCB’s ] in production Per IPC-610A & J-STD-001.

**Aura Systems/Administer - Contract- El Segundo, CA CMM Programmer-Operator/Q.C. Inspector 07/01-07/05:**

Set-up and layout mechanical parts on the CMM [Brown & Sharp] surface plate and programming analysis. Monitor parts on Visual SPC Importer Control Charts, Distribution, Statistic, and open knowledge of Six Sigma. Interpret & Re-modify complex engineering drawing. Inspect electronic, mechanical, and fabricated parts with open knowledge of Gage R&R and Capability Study a well as lab testing to customer and company specification & Mil Standard. Also conducted electrical testing to component level and Maintain Control Inventory & Documentation. Ability to identify Root-Cause & Corrective Actions.

**Siemens Medical/Qualities - Contract-Hoffman Estates, Ill CMM Programmer-Operator/Q.C. Inspector 04/98-07/01:**

Set-up and layout mechanical parts on the CMM [Mitutoyo /Brown & Sharp] surface plate and programming analysis. Inspect & Test Electronic Components [Semi-Conductors & PCB’s] in Cleaning-Room per IPC-610A & J-STD-001. Conduct Inspection in Receiving, In-Process, First-Article, and Prototype parts for production. Operate precision tooling and automated machines RAM Optical, [OGP] Smart Scope 400. Open knowledge of SPC & Six Sigma as well as Maintain Control Inventory, Overall Calibration System, and Documentation.

**Advance Bionics - Permanent- Sylmar, CA Q.C. Supervisor/CMM Operator/Programmer/Q.C. Inspector 02/93-04/98:**

Assist the engineering department with Setting up Metrology Lab and Receiving & Calibration Dept. with development of Test Plans Protocols. Set-Up an Inspection department to Mil standard ISO 9000/9002 as well as Mil standard 45662A.Conduct Inspection in Prototype, Short Run, F/A, InProcess, and Final production parts. Prepare MRB meeting and distributed reports & plans. Maintain & Control Inventory Documentation as well as Overall Calibration system. Interface with company engineers & customers for corrective action. I also operated automated machines CMM [Mitutoyo], RAM Optical Comparator, and OGP Smart Scope Flash 300. Open knowledge of MSA [Measurement System Analysis], experience writing protocols, analysis, and validation reports. Inspect & Test Electronic Components [Semi-Conductors] in cleaning room Per IPC-610A & J-STD-001. **Calcor-Aerospace - Permanent - Whittier, CA, Metrology Technician/Quality Inspector 01/91-01/93:**

Assist the Quality Manager with setting-up a calibration lab maintaining Internal/External calibration traceability to NIST ISO/IEC 45662A Test/Measurement/Validation Method and precision tooling and mechanical/electronic equipments and control documentation Assist the Quality Engineers in inspection and data analysis.

**SUMMARY OF EDUCATION EXPERIENCE**

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HEXAGON METROLOGY, Lake Forest, CA Certificate Graduated: 05/11

Major: PC-DIMIS CAD++ MR2-4.3Ver. 2010 Major: PC-DMIS CAD++2013/2014/2015 Certificate Graduated: 09/14

GATEWAY Community College, Phoenix, AZ Major: Quality Manufacturing Certification A.A.S Degree Graduated: 09/08

Professional Career Institute, Cerritos, CA Major: Computer Technology/Networking [A+, Security+, MCP, MCSE] Graduated: 09/05

ITT Technical Institute, Fort Wayne, IN Major: Automation Manufacturing Technician B.A.S. Degree Graduated: 09/88

Major: Electronic Engineering Technician A.A.S. Degree Graduate

AWARDS & HONOR Student of the Month, Member of the JATS, and ASQ as well as Tooling University [TUI]. Excellent Attendance, Self Motivated, Detail Oriented with excellent Interpersonal and Analytical skills in Communication, Speak Bilingual.