

**RICK G. DAZA**  
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In the interest of exploring opportunities with Team Robo Monster I can offer you my expertise in Manufacturing Engineering, Project Coordinator Tool Engineer. The following is a list of my qualifications and credentials. I have a solid background in aerospace Manufacturing Engineering, Tooling and Assembly Management, Project Coordinator, Tooling and Production follow-up, Cutting tools, Production and tooling fabrication Engineering and production and inventory control specifications.

I have extensive background in the following areas and familiar with variety of processes and projects.

1. Supplier Management, Product Definition Department.
2. Manufacturing Engineer Production.
3. Tooling Estimator Engineer.
4. Project Engineer
5. Production and tooling Coordinator.
6. Lean Manufacturing.
7. Production and tooling scheduler.
8. Composite Parts Fabrication

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| <ul style="list-style-type: none"> <li>• Quality Assurance</li> <li>• Production Control</li> <li>• Tool Fabrication</li> <li>• Tool Design</li> <li>• Design Engineering</li> <li>• Supplier Management</li> </ul> | <ul style="list-style-type: none"> <li>• Purchasing</li> <li>• Ethical Decision Making</li> <li>• Geometric Dimension</li> <li>• Computer Management Skills</li> <li>• M.R.P, BOOM, WORD, EXCEL</li> <li>• Precision Measurements</li> <li>• Controlling Documents</li> </ul> |
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I would be please to provide you with additional information on my background, and I look forward to assisting Team Robo Monster reach the DARPA Grand Challenge Finish Line! I may be contacted at: (310) 749-1851.

**Rick G. Daza**

See work experience on the following pages:

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hiox10@msn.com

**Summary:**

A highly successful Manufacturing Engineer with extensive experience within the aerospace composites industry. Expertise includes manufacturing and tooling engineering, Production management; tool Coordinator, follow-up, production control, project coordinator and planning. A strong self-starter, who works well with little or no supervision, performs operations accurately, quickly learns new skills, and works well with others. Bilingual English and Spanish.

**Professional Employment**

**Ducommun AeroStructures, Manufacturing Engineer**, Monrovia, Ca 9/2003 – 2/2004 and 6/7/2004 to Present

Assign to the Bell Helicopter, F-22 Raptor. Interpreted engineering drawings, sketches, engineering changes and loft information, Planned most cost effective methods for composite parts and tool fabrication. Determined and ordered all required tooling and production material for first articles.

Calculated all material usage, required labor hours, attrition percentages, in-house tooling and programming costs. Established initial manufacturing planning concepts. Support outsource of all machine parts for outside manufacturing vendors.

**Swissport Corp./ Mexicana Airlines Purchasing Department IMPORT / EXPORT Customer Services.** LAX 2 / 2003 – 9/2003

Coordinating incoming and outgoing flow of new and refurbish aircraft parts needed in Mexico City to maintain all aircraft in the air.

**M.C. Gill Corporation Manufacturing Engineer and Production Auditor** El Monte, CA

2/1995 – 2/2002

Responsible for the manufacturing of first article, tooling and prototype parts for the following commercial and military projects: MD95, MD11, MD90, KC10, MD80, Boeing 757, 717, 747, Freighters, and Ballistic Shields.

Investigated, evaluated, designed, developed and recommended most efficient manufacturing assembly procedures for the manufactured of aircraft composite sandwich floor panels, cargo laminates for Boeing, Lockheed-Martin, Hughes Aircraft, Northrop-Grumman, Advanced Tech Co., Amro Fabrication, S.M.R. Fabrication, and Raytheon.

Analyzed and reviewed customer purchase order, engineering drawings, specifications, and documentations for digitalization of master Mylar/ MLO drawings.

Prepared first draft drawing for tooling fabrication in order for programmers to create initial CNC cutting program to machine parts. Monitored the master Mylar/ MLO drawing digitizer to convert data image to digital form used for creating CAD files and generation of CNC programs. Procured all special materials, cutting tools, holding and production fixtures to implement best-cost efficient manufacturing process prior to mass production.

Evaluated and inspected first article machined part for compliance of customer specifications and gave approval or rejected part for mass production.

Audited production during all stages of manufacturing process to comply with ISO/D1-9000 specifications.

**McDonnell Douglas Aircraft/ Helicopter Co. Manufacturing Project Engineer** Long Beach/Culver City, CA 6/1975 – 10/1992

Hands on support to the Wing Joint, Main Fuel Tank and Floor Panel Configuration for the MD-11 Passenger and Freighter Aircraft. Researched and analyzed manufacturing and tooling process to determine the root cause of arising or existing problems reported by assembly line mechanics or design engineers. Selected, initiated and coordinated all departments corrective action plans to maintain the manufacturing cycle on schedule.

**Tooling and Production Engineer** (C-17 military aircraft and Apache military helicopter)

Provided technical support and expertise in establishing manufacturing policies, maintaining a supplier base for off-site tooling and manufacturing of airframe, tools, components and production parts.

Conducted process analysis as it related to manufacturing products and document supplier reviews.

Recommended suppliers alternative methods of manufacturing to improve utilization of facilities.

Assisted in the investigation and development of corrective action measures on non-conforming parts, assemblies, and process suppliers.

### **Manufacturing Engineering Projects, (MEP)**

Interpreted blueprints, sketches, engineering changes and loft information, planned most cost effective methods for part fabrication. Determined and ordered all required tooling.

Tool Control Coordinator, Follow-Up, Production Coordinator and expeditor for tooling department: reviewed bill of materials for all new and rework orders, Order all long lead items, Control tooling running hardware inventory using MRP min/max system. Scheduled and control production orders.

Supervised dispatchers, clerks, and other staff members of the tooling department. Assigned and distributed schedules, reported machine loads and control data to upper management for the Apache, NOTAR, LHX and 500D helicopter.

Reviewed and estimated tool design and manufacturing drawing of jig fixtures, dies and assembly fixtures, bill of materials for long lead items and quality control requirements.

Calculated labor time, availability, cost of materials, and tools to provide timely inventory of procured materials from vendor sources.

### **Aviation Logistics Co. (Aero Mexico Airlines) Cargo Agent Los Angeles, CA 1994**

Handled customer inquiries at front counter, booked international shipments on the Airway bill. Documented and enter billing data into computer. Communicated weight and balance of cargo to airport operations.

### **Federal Emergency Management Agency F.E.M.A. Interpreter Pasadena, CA 1994**

Translated from English/Spanish at Pasadena headquarters and Northridge Earthquake Disaster Center.

Coordinated the disbursement of aid to victims of the January 17, 1994 Northridge earthquake.

### **Education and Technical Training**

#### **Glendale Community Colleges, PDC Professional Development Center.**

Courses: AutoCAD 10/19/2004 to present

#### **University of California at Los Angeles**

##### **Manufacturing Engineering Mechanical Option Certificate**

Courses included: Materials in Manufacturing Engineering Planning, Reducibility Design, Principles of Manufacturing Processes, Introduction to Robotics, Computer Systems in Manufacturing and Introduction to Manufacturing Engineering.

##### **Professional Designation in International Trade Certificate**

Courses included: International Finance, International Business Contracting, International Purchasing, Fundamentals of Import and Export Trade, Doing Business with Eastern Europe and International Marketing.

**Security Clearance: none. 10 year personal background investigation by the LAX Airport on 3/2003 (full access to LAX International Airport).**

#### **Employer Sponsored Courses (McDonnell Douglas, Hughes Helicopter, M.C. Gill Corp.)**

Courses included: Geometric Dimensions, Ethical Decision Making, Computer Management Skills, Precision Measurements, Controlling Documents, How to supervise people with Pryor Resources, Inc. ISO/D1-9000 Internal Auditor Training

#### **Professional Memberships**

Southern California Professional Engineering Association #130086

Knights of Columbus #3380149