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Angel Briseño

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| Objective | | To obtain engineering / design position with a company where my education, skills and experience can be applied effectively. Working remotely opportunities are also welcomed as I currently hold an  AutoCad LT 2019 and SolidWorks 2019/2020 license to facilitate CAD driven services. |
| Experience | | **Textron Aviation Defense Wichita, KS**  **March 2021 – Present**  **Avionics Electrical Systems Engineer (Aviation)**   * Worked in Defense department assigned to AT-6 light attack aircraft program. * Created assembly models of harness and component installations throughout LH & RH wings. * Revised entire harness installations & harness assemblies for entire dual seat cockpit. * Engineered new models and drawings installing electrical components, relays & relay sockets, ground brackets and terminal rails. * Revised out-of-date models and drawings to include removing and replacing components while working in-sync with electrical engineers. * All CAD work was completed using Catia V5 and used Mentor Graphics to facilitate work.   **GDC Technics Ft. Worth, TX**  **June 2017 – May 2020**  **Senior Mechanical Engineer: Aug. 2018 – May 2020 (Aviation)**   * Lead a team of 12 designers/engineers towards the completion of interiors for a   Head-Of-State Boeing 747-8.   * Accountable for design method of all cabinet assembly and construction. * Responsible for training new engineers and provide direction on common design practices. * Manage team assignments to meet scheduled dates provided by upper management. * Coordinate with design, mechanical, structural, and stress departments for successful completion of all work. * Organize meetings between engineering teams, customers, and vendors.   **Electro-Mechanical Integrations Engineer: Aug. 2017 – Aug. 2018 (Aviation)**   * Design and engineer 3D Assembly and Installation models on a Boeing 787 & 777 aircraft. * Created wire-routing models / drawings for the components located on overhead ceiling & cargo area. * Engineered new models and drawings installing electrical components, relays & relay sockets, ground brackets and terminal rails located throughout the entire aircraft. * Revised out-of-date models and drawings to include removing and replacing components while working in-sync with electrical engineers. * All CAD work was completed using 3D Experience Platform / Catia V6.   **Gulfstream Savannah, GA**  **November 2016 – July 2017**  **Engineering Consultant – Completions Department/Center (Aviation)**   * Design and engineer 3D Assembly and Installation models of Gulfstream G650. * Engineered sidewall panel assembly and installation for entire G650 AC. * Communicate with primary structures and completions department for a successful   outcome of all designs.   * Create Mod. Drawings of exiting interior structures to accommodate customer request and meet completions agenda. * Use Smarteam to manage and store all files created by Cad software. * All CAD work was completed using Catia V5   **Qorvo Richardson, TX**  **July 2016 – November 2016**  **SolidWorks / AutoCad Drafter (PCB – Electro Design)**   * Created 3D Models of baseplates to accommodate testing fixtures PCB’s. Create ECO’s & ECN’s for all work perform as company requisite and procedures. * Coordinate with Electrical and Mechanical engineers to assist in microchip assembly’s final 3D design and layout. * Create drawing of components using G, D, & T features & practices for all critical dimensions and notations. All units measured in Microns and Mils. * Interface with subcontractor circuit board manufactures and machine shops to request service of work & provide service quotes to company purchasing departments. * All CAD work was completed using SolidWorks 2016, AutoCad 2014, and Inventor 2014.   **Associated Air Center Dallas, TX**  **October 2012 – June 2016**  **Mechanical Engineer / Liaison (Aviation)**   * Engineering assemblies & installations of interior cabinetry, bulkheads, headliners, created for an Airbus A330-200, Head-of-State Boeing 747-8i & 787-8. * Assist cabinet shop and production mechanics by resolving fabrication & installation issues needed for total aircraft completion and delivery. * Design custom sheet metal parts for proper installation of all assemblies while meeting aircraft provisions and standards. * Communicate with managers and leads from various departments for an acceptable completion of all installations that involved form, fit and function in order to meet customer approval. * Responsible for making precise & proper decisions to accommodate department and customer changes while keeping updated reports on drawings needed for final completion of aircraft. * All CAD work was completed using SolidWorks 2013 thru 2016.   **Odyssey Aerospace Components Denton, TX**  **October 2011 – August 2012**  **Senior Design Engineer / Lead (Aviation)**   * Accountable for design method of all cabinet assembly and construction. * Responsible for training new engineers and provide direction on common design practices. * Manage all team assignments to meet scheduled dates provided by customer & upper management. * Led a team of 12 designers/engineers towards the completion of custom VIP interiors for a Boeing 747-8. * Coordinate with design, mechanical, structural, and stress departments for successful completion of all work. * Manage & authorize all design standards that meet conformity and certification standards. * Organize meetings between engineering teams, customers, and vendors. * All CAD work was completed using SolidWorks 2012.   **Gore Design Completions San Antonio, TX**  **August 2010 - August 2011**  **Primary Structures Engineer / Liaison (Aviation)**   * Engineering installations of interior cabinetry, bulkheads, headliners, created for   A340-500 Airbus.   * Working with vendors to implement their products into final completion of all installations needed for total aircraft completion and delivery. * Design custom sheet metal parts for proper installation of all assemblies while meeting Airbus provisions and standards. * Communicate with managers and leads from various departments for an acceptable completion of all installations that involved form, fit and function in order to meet customer approval. * Responsible for making precise & proper decisions to accommodate department and customer changes while keeping updated reports on drawings needed for final completion of aircraft. * All CAD work was completed using SolidWorks 2010 thru 2012 & AutoCad 2011.   **Mc Means Design Service San Antonio, TX**  **Nov. 2009 - Feb. 2010**  **Structures Design Engineer / Liaison (Aviation)**   * Assist as liaison to keep an updated report and status of any modifications involving structures, cabinetry, or design. * Engineered assemblies and installations for Master Bathroom & Bedroom, Private & Mid-Cabin Lounge for A340-500 Airbus. * Produce drawings in AutoCad format and along with Bill of Materials of all assemblies/installations. * Created drawings that involved modifications of aircraft structures that included the engineering of sheet metal parts. * Evaluated aircraft to created floor modifications and structure layouts to determine location of seating, bulkheads and cabinetry. * All CAD work was completed using AutoCad 2010.   **Gore Design Completions San Antonio, TX**  **June 2008 – Nov. 2009**  **Design Engineer – Primary & Secondary Structures (Aviation)**   * Engineered assemblies and installations of interior cabinetry, bulkheads, headliners, created for B737 BBJ & A340 Airbus. * Created design tables for parts, assemblies & installations needed for different configurations in SolidWorks. * Worked with vendors & sub-contractors to implement their products into final completion of all assemblies needed for aircraft completion. * Designed sheet metal parts that were critical for certain vendor products and complicated assembly installations. * Worked with managers and leads from various departments for an acceptable completion of all assemblies that involved form, fit and function as well as cosmetic finish to meet customer approval. * Assisted as in-house liaison modifying drawings made due to customer changes and keeping updated reports on drawings needed for final completion of aircraft. * All CAD work was completed using SolidWorks 2009 & AutoCad 2009.   **DRB Aviation Consultants San Antonio, TX**  **Oct. 2006 - June 2008**  **Technical Design Engineer (Aviation)**   * Created 3D models of aircraft interiors using Design Standards provided by Customers and the FAA. * Assisted customers by focusing on specials needs and transferring ideas into CAD models using SolidWorks. * Engineered and designed parts, assemblies and installations of monuments, cabinetry, and equipment. * Created design tables for sheet metal parts, fastening hardware, and vendor parts that were used various assemblies and installations. * Produced drawings of all parts, assemblies, and installations that also included a List of Materials (BOM), weights, standardized parts. * All CAD work was completed using SolidWorks 2006 thru 2009 & AutoCad 2008.   **Superior Woodwork El Paso, TX**  **Aug. 2004 - Sept. 2006**  **Design / Sales (Residential / Commercial)**   * Coordinated with shop managers, and vendors to produce an accurate BOM & estimated time of delivery. * Designed custom made cabinetry for newly build and remodel homes. * Used architectural /designer floor and elevation plans to create proper cabinet layout. * Traveled to meet with customers to accommodate them with ideas and information that included: wood species, door styles, construction, accessories and hardware. * Created 3-D and 2-D drawings * All CAD work was completed using Cabinet Vision.   **Precision Tools El Paso, TX**  **Sept. 2003 – June 2005**  **Machine Design Engineer (Automotive)**   * Designed & detailed automation machines and assembly stations that involved the assembly of powertrain parts & components for the automotive industry. * Engineered machined tools and fixtures needed for specific functions and maintenance of many new & existing assemblies and testing stations. * Responsible for all design layouts and bill of materials of all vendor components and fabricated parts. * Produced 3-Dimesional designs of compact & large assembly stations that were meant to be operated continuously for the automotive industry. * Engineered the use of fiber optics and presence sensors in most of all machinery and stations that were designed as well as hydraulic and pneumatic cylinders. * All CAD work was completed using AutoCad 2005. |
|  | | **Damont Engineering El Paso, TX**  **Oct. 2002 – Aug.2003**  **Machine Designer / Engineer (Automotive)**   * Designed structural ergonomic work and assembly stations using machined parts and aluminum extrusions for the automotive and industrial industry. * Engineered the used pneumatic and hydraulic cylinders, fiber optic and presence sensors, pneumatic actuators and precise machined part to deliver precise and constant functionality. * Met with customers and vendors to keep and updated report and incorporate any changes made by us, vendor, and / or customer. * Created stations that included the use of certain metals and material, which required heat treatment, welding and machined tolerances in order to reduce the margin for error in all stations. * Engineered an assembly machine and station that was used to assemble numerous parts and components to power train the cooling system used on the “Hummer H3”. * All CAD work was completed using AutoCad 2002.   **El Paso Industrial Design and Mfg. El Paso, TX**  **Feb.2002 – Dec.2002**  **Designer (Automotive)**   * Designed 3-Dimensional and 2-Dimensional designs of electrical and mechanical fixtures. * Designed assembly boards using aluminum perforated boards, electrical components and specific high endurance plastics used to test wire harnesses for the Automotive Industry. * Traveled to Mexico and met with customers for feedback and new ideas any new and existing designs and assemblies * Responsible for all quality and function of finished products. * All CAD work was completed using AutoCAD 2002.   **A.R.C. Technology / C.F. Jordan El Paso, TX**  **Dec.2000 – July 2002**  **CAD Technician (Zoological)**   * Created 3-D & 2-D drawings of heavy structural animal restraints. * Engineered designs that required the use of structural steel, which included S-Beams, carbon steel channels, and carbon steel rebar. * Involved in the Elephant / Rhino restraints for the Virginia Zoo & the Polar Bear restraint for the San Diego Zoo. Projects included the assemblies and installations of heavy hydraulics doors. * Designed hydraulic operated doors built from CS channels & CS rebar that required welding callouts and specifications. * All assembly designs included installation specifications, which involved the use of concrete anchors to uphold all S-beams and small subassemblies that where crucial for long term performance and reliability. * Communicated with field crew for status, changes and/or information needed for completions. * Produced bill of materials of all raw materials and hardware used for all assemblies and installs. * All CAD work was completed using AutoCAD 2002 |
| Education  **Skills** |  | **1993-1995** **El Paso Community College** El Paso, TX  Two-year program in Drafting and Designing.  **Present** **University of Phoenix**  Pursuing a Bachelor of Science in Information Technology   * Computer literate involving Microsoft Excel, Word, Access, PowerPoint. * Strong understanding of machined tolerances and angles. * Proficient in:   + [3D Experience / Catia V6](https://www.3ds.com/products-services/catia/products/3dexperience/?woc=%7B%22category%22%3A%5B%22category%2F3dexperience%20CATIA%22%5D%7D&wockw=card_content_cta_1_url%3A%22https%3A%2F%2Fblogs.3ds.com%2Fcatia%2F%22)   + [SolidWorks](https://www.solidworks.com/) 2009 thru 2020.   + [AutoCad](https://www.autodesk.com/products/autocad/overview?plc=ACDIST&term=1-YEAR&support=ADVANCED&quantity=1) 2004 thru 2019 / [AutoCad LT](https://www.autodesk.com/products/autocad-lt/overview?plc=ACDLT&term=1-YEAR&support=ADVANCED&quantity=1) 2012 thru 2020.   + Enterprise PDM.   + Catia V5   + 3D Printing & [Idea Maker](https://www.raise3d.com/ideamaker/?gclid=Cj0KCQjwj7v0BRDOARIsAGh37irHDWTdYwcZ9TpGzJIyXVkaD5CkKZHb89PtL2FnHMd5Ohj25-DBcQQaAl68EALw_wcB) * 2 years of 3D Printing Experience using [Raise3D](https://www.raise3d.com/) printing machine. * Over 20 years of drafting and design experience. * 14 years of working in the Aircraft Completion field. * 10 years working in the Automotive Industrial field. * Good mechanical & industrial skills. * Bilingual: English / Spanish. |