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**Objective:** Innovative Industrial Designer with a strong background in CAD Engineering with a passion for sustainable material exploration and advanced manufacturing processes. Looking to apply a deep understanding of technical design-including isometric sketching and 3D form development-to create the next generation of eco-conscious consumer products.

**Profile:**

- 17 years of Mechanical Design experience.
- Extensive knowledge of 2-D & 3D designs using Solidworks 2024, Autodesk Inventor 2020, Onshape, CATIA, Fusion 360, Siemens NX11, Creo Parametric 4.0, AutoCAD 2020, Teamcenter, Enterprise PDM, Agile, Autodesk Vault 2019, Windchill 10.1, and Fusion Team.

**Education:** B.S., Aerospace Engineering, San Jose State University  
M.F.A in Industrial Design, Academy of Art University, Expected Graduation: Spring 2026

**Relevant Experience & Accomplishments:**

Certified Solidworks Professional (CSWP) – C-RC2YJC6XBM

Certified Solidworks Professional Advanced Sheet Metal (CSWPA-SM) – C-C4KJVR83TM

Certified Solidworks Professional Advanced Weldment (CSWPA-WD) – C-BWREY59YC7

Certified Solidworks Professional Advanced Mold Tools(CSWPA-MT) – C-S74N6ZPFMC

Certified Solidworks Professional Advanced Drawing Tools (CSWPA-DT) – C-TLYM9FYCYS

Certified Onshape Associate – PTC Onshape

**Employment:** Sr. Mechanical Designer, *Real Staffing Group* *Aug 24 – Present*  
Contracted by Real Staffing Group to work as a Sr. Designer with Johnson & Johnson Medtech.

- Produce extensive design and drafting support, for J&J Medtech equipment/tooling, and concept and developmental products, utilizing Solidworks CAD software.
- Assist with PLM concept and production release of Engineering Change Orders using SolidWorks EPDM and Agile PLM.
- Generate and release assembly instructions to aid technicians in the build of jigs and fixtures.

**Mechanical Designer/PDM Administrator, *Pyramid Consulting, Inc.*** *Oct 23 – Aug 24*  
Contracted by Pyramid Consulting to work as a Mechanical Designer with Google X.

- Provide design and drafting support, utilizing Solidworks CAD software, for several Google X projects.
- Provide ECO Release support for Engineering and Manufacturing, utilizing SolidWorks EPDM and Agile PLM.

**Mechanical CAD Engineer, *Applied Materials/ AKT*** *Nov 18 – Aug 23*

- Provide design and drafting support, utilizing CAD tools, for all Applied Material/AKT Product lines.
- Create new OEM Commercial part numbers and release process.
- Provide ECN Release support for Engineering and Manufacturing.

- Review, update and manage ECN/ECR packages, for Engineering Services, through Applied Materials/AKT ECN/ECR process.

*Nov 17 – Nov 18*

**Mechanical Designer, Modis Engineering**

- Contracted by Modis Engineering to work as a Mechanical Designer with Applied Materials.
- Provide design and drafting support, utilizing CAD tools, for all Applied Material/AKT Product lines.
- Create new OEM Commercial part numbers and release process.
- Provide ECN Release support for Engineering and Manufacturing.
- Review, update and manage ECN/ECR packages, for Engineering Services, through Applied Materials/AKT ECN/ECR process.

*Oct 16 – Nov 17*

**Senior Mechanical Designer/Drafter (Contractor), ATR International**

- Contracted by ATR International to work as a Senior Mechanical Designer/Drafter with Thermo Fisher Scientific.
- Provide design support, utilizing Solidworks 2016 and Creo 4.0 Parametric, for Quantiva, Endura, LTQ XL, LCQ Fleet, Prelude LX-4, Nano, and Integrion product lines.
- Detail drawings, per Thermo Fisher Scientific and ASME Standards.
- Document and release, part, assemblies, drawings and work instructions, by means of Engineering Change Orders, using Product Center, Pro/Intralink, and SAP.

*Jan 16 – Oct 16*

**Mechanical Designer/Drafter (Contract), ProSource Inc.**

- Contracted by ProSource Inc., to work as a Mechanical Designer/Drafter for GenapSys.
- Provide design and drafting support to engineering, utilizing Solidworks 2016, on Gene Electronic Nano-Integrated Ultra-Sensitive (GENIUS) product line.
- Modify existing assembly and detail drawings from input provided by engineering.

*Oct 15 – Dec 15*

**Senior Mechanical Designer (Consultant), Triple Ring Technologies**

- Provide design support, on multiple medical device projects, utilizing Solidworks 2014.
- Translate, compare, and analyze models from Creo Parametric 2.0 to Solidworks 2014.
- Create and modify detail drawings from sketches, layouts, and/or notes provided by engineering using Solidworks 2014.
- Documented and released, part models, drawings, assemblies, and BOM's using Windchill 10.1 PLM software.

*Apr 12 – Oct 15*

*Space Systems Loral, Palo Alto, CA*

**Mechanical Designer/Document Control Coordinator**

- Generated substrate and panel assembly models and drawings utilizing Creo Parametric 2.0
- Created and modified detailed drawings from sketches, layouts, and/or notes provided by engineering using Creo Parametric 2.0.
- Participated in a department wide standardization of Source Control Drawings, utilizing Model Based Definition techniques.

- Documented and released part numbers, drawings, component specifications, manufacturing instructions and procedures, assemblies, and BOM's through ECR's and ECN's, using Teamcenter PLM software.
- Provided drafting support for composite and metallic antenna components that met the strength, stiffness, thermal stability, and manufacturability requirements for the space environment.
- Designed test fixtures, assembly fixtures, and tooling for antenna components.
- Participates in research, design, development, analysis and evaluation of mechanical Ground Equipment utilizing Creo Parametric 2.0.

**Mechanical Designer (Contractor), *West Valley Staffing Agency***

*Apr 11 – Apr 12*

- Contracted by West Valley Staffing Agency to work as a Mechanical Designer with Space Systems Loral.
- Generated substrate and panel assembly models and drawings utilizing Creo Parametric 2.0
- Created and modified detailed drawings from sketches, layouts, and/or notes provided by engineering using Creo Parametric 2.0.
- Documented and released part numbers, drawings, component specifications, manufacturing instructions and procedures, assemblies, and BOM's through ECR's and ECN's, using Teamcenter PLM software.

**Mechanical Designer (Consultant), *Sparkfactor Design***

*Sept 10-Mar 11*

- Consultant Mechanical Designer via Sparkfactor Design for Apple, Inc. Daily responsibilities consist of: providing product design and mechanical engineering support for shipping products and experimental projects as well as utilizing 3D CAD software, NX6, to generate drawings for piece parts and assemblies.

**Mechanical Engineer (Contractor), *Adecco***

*May 08-June 09*

- Contracted by Adecco Staffing Agency to work as a Mechanical Engineer for BAE Systems.
- Designing and analyzing of the hatch mechanisms for NLOS-C vehicles, which include 3-D modeling of components, drafting, and cable routing, using Pro E Wildfire 3.0.
- Placement modification of Short and Long Range Countermeasures for Infantry Carrier Vehicle (ICV)
- The creation and implementation of Advance Change Notice's and Deviations that support changes and modifications made to drawings.
- Initiating the process of purchasing, acquiring, and receiving parts and hardware for various vehicle installation

**Mechanical Engineer Intern, *Seagate Technology***

*May 07-Aug 07*

- Converted 2-D drawings to 3-D parts of a MG250 machine using Solidworks 2007 software.
- Designed a three-dimensional tool, allowing the user, with the assistance of a microscope, easier access to view the serial number on a component.

**Community Involvement:**

**National Society of Black Engineers (NSBE), Member**  
**Silicon Valley Solidworks User Group (SVSWUG), Member**  
**Silicon Valley Onshape User Group (SVOUG), Former Leader**

