

JOCELYN CUELLAR

MECHANICAL PRODUCT DESIGN / DESIGN MANAGEMENT

Long Beach, CA • (510) 813-0070 • specialjoci@msn.com

Over eight years of experience developing manufacturable parts and assemblies using SolidWorks • Combining prototype development, CNC manufacturing, and design leadership to bring designs from concept to production.

PROFESSIONAL EXPERIENCE

Alco Designs

Design Manager / Design Engineer

Gardena, CA | March 2025 to Present

- Translate customer requirements into SolidWorks parts and assemblies for retail fixtures and displays, balancing function, materials, and manufacturing constraints.
- Develop sheet metal, wire, and tubular steel components; refine supports, connections, and fasteners for assembly.
- Evaluate design revisions for load support, fit, and manufacturability; refine shelf reinforcement and frame configurations.
- Manage the design department, coordinating projects and collaborating with another designer, management, and manufacturing partners.

Borray Manufacturer Inc.

Design Engineer

Santa Fe Springs, CA | March 2018 to February 2025

- Served as sole SolidWorks designer and CNC router machinist; helped hire and train an additional machinist.
- Translated customer requirements into 3D models and prototypes; worked with fabricators to test designs and develop production processes.
- Programmed, operated, and maintained CNC routers with VCarve Pro for wood and plastic components.
- Programmed and operated a CNC fiber laser with CypCut to manufacture metal components.

ROBOTICS AND LEADERSHIP

Mechanical Engineering Team Lead

Student Robotics Team | Long Beach City College

- Delegate mechanical design tasks and track project deadlines.
- Design parts and assemblies in SolidWorks for a floater and a remotely operated vehicle (ROV).

TECHNICAL SKILLS

- SolidWorks
- 3D parts and assemblies
- Prototype development
- Sheet metal and frames
- CNC router programming
- VCarve Pro
- CNC fiber laser / CypCut
- Design collaboration
- Team leadership

EDUCATION

BA Industrial Design

California State University
Long Beach | 2013

Engineering coursework

Long Beach City College

CURRENT COURSEWORK

- CATIA
- Robotics Design
- Introduction to Welding

COMPLETED COURSEWORK

- GD&T
- Materials Science
- Intro to Engineering

PRIOR COURSEWORK

Cerritos College

SolidWorks and Industrial Mold Design | 2018

CSULB

Completed calculus sequence, AutoCAD, and Autodesk Alias

CERTIFICATION

SOLIDWORKS Associate

Mechanical Design | 2014