

Yahir Payan

Creative and detail-oriented CAD Designer and CNC Machinist with hands-on experience in CAD/CAM software such as SolidWorks, AutoCAD, SketchUp, and Photoshop. Strong background in CNC machining, laser and plasma cutting, and custom metal fabrication. Passionate about turning concepts into real-world parts through precision engineering and visual design.

Professional Experience

Owner / CAD Designer & Machinist

VMP Metal Products – Santee, CA

Feb 2022 – Present

- Designed custom parts, brackets, flanges, and signage using SolidWorks, AutoCAD, SketchUp, and Adobe Photoshop
- Operated and programmed CNC milling machines, plasma cutters, and laser machines
- Managed fabrication including cutting, machining, welding, powder coating, and assembly
- Created prototypes and layouts for client approval and validation
- Worked directly with customers to deliver cost-effective manufacturing solutions
- Quoted jobs, handled procurement, and vendor communication
- Developed custom tooling to improve production efficiency
- Maintained shop equipment; ensured safety and quality standards
- Produced technical drawings for manufacturing and inspection
- Built a reputation for reliable, high-quality custom work with fast turnaround times

Santee, CA

619-678-4424

yahirpayan14@gmail.com

Skills

- SolidWorks (3D Modeling & Assemblies)
- AutoCAD (2D Drafting & Layouts)
- SketchUp (Concept Visualization)
- Photoshop (Graphics & Mockups)
- CNC Machining & Programming
- Laser & Plasma Cutting
- Technical Drawing & Blueprint Reading
- Metal Fabrication & Welding
- CAM Software & G-Code
- Shop Safety & Quality Control

Languages

English: Professional

Spanish: Professional

Education

CAD Design Coursework
Cuyamaca College – El Cajon, CA

Degree in Electronic Technology
Cetis 25 – Tecate, Baja California

CNC Machinist

PMP Precision Metal Products – El Cajon, CA

Oct 2022 – Feb 2023

- Operated and maintained CNC mills and lathes for precision part production
- Interpreted engineering drawings and set up jobs with tight tolerances
- Inspected parts using calipers and micrometers to meet quality standards
- Assisted in fixture design and tool path optimization

CNC Machinist

Vision Systems Inc. – Santee, CA

Jun 2021 – Jan 2022

- Programmed and operated CNC machines for aerospace and industrial parts
- Collaborated with engineers to revise drawings and improve part accuracy
- Performed routine maintenance and calibration of machines
- Completed production logs and ensured on-time part delivery

Project's

Battery Case — AGIC Solar Energy

Design a case for a battery so it can be secured and hang it outside.

Solar Umbrella Top Plate — AGIC Solar Energy

Design and fabricate umbrella top plates to hang solar cells.

Tall Belt Rack — KORE Essentials

Design and fabricate belt racks for retail stores

Belt Countertop Display — KORE Essentials

Design and fabricate Belt Countertop Displays for retail stores

Custom Metal Signs — StereoDepot, Xclusive auto, Dennis, Welders, etc

Design and fabricate custom metal signs: 3DSigns, Lettering, Multilayer