

Parker Pierce

Product Design | CAD & Technical Drafting | Manufacturing and Automation

Dallas, TX

214-478-3770

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Professional Summary

Product design and CAD professional with a hands-on background in custom fabrication, furniture development, and manufacturing. Experienced in translating client concepts into production-ready drawings, parametric models, prototypes, and finished products. Combines practical manufacturing expertise with technical design, process improvement, and workflow automation to develop products that are functional, manufacturable, and efficient to produce.

Core Skills

- AutoCAD, SolidWorks, Fusion 360, Vectorworks, EnRoute, Router-CIM
- CNC Programming, CNC Router Setup, Troubleshooting
- Product Design, Technical Drawings, Prototyping, Furniture and Cabinet Construction
- Workflow Automation, Production Tracking, Fixture Design, Manufacturing Documentation
- Python, SQLite, AutoLisp

Experience

CNC Programmer | InProduction | Dallas TX

April 2025 – Present

- Design and Draft scenic elements in AutoCAD, Vectorworks, and EnRoute
- Develop custom Python, AutoLISP, and CAD/CAM automation tools to streamline manufacturing workflows and improve documentation and product tracking
- Develop and test unconventional machining methods and material applications.
- Program thousands of CNC files to hit deliverables on very tight production timelines
- Support two Multicam CNC router tables and shop production with technical troubleshooting, hands-on management of CNC Department, and high-level automation and process improvement mindset
- Oversee CNC operators, track and forecast productivity with custom-developed prod. tracking software
- Develop training and standards for Operators, as well as CAD standards and other internal docs
- Work on the shop floor to assist other departments and ship jobs on time

CNC Programmer | Scout Design Studio | Dallas, TX

September 2024 - April 2025

- Develop and revise products, including upholstered and hard goods
- Design dozens of custom commissioned pieces from reference images, guide commissioned pieces through manufacturing by producing hand sketches, CAD models, production drawings
- Produce parametric models, 2D production drawings, and CAM programs using SolidWorks and AutoCAD
- Design Scout Label products, which are still produced and sold
- Standardize repeated components, refine construction methods by interfacing directly with production.
- Train, oversee, and assist several CNC operators.
- Interface with at least a dozen clients on design requirements and goals, communicate manufacturing abilities and constraints

Furniture Carpenter | Scout Design Studio | Dallas, TX

October 2023 - September 2024

- Build custom furniture including dressers, nightstands, consoles, tables, bases, bars, cabinets, and related casework.
- Custom milling, door and drawer install and fitment, laminate burl and other decorative veneers.

Carpenter | Higher Level Stairs | Lucas, TX

September 2022 - October 2023

Shop Hand | Bayer Brothers Sets | Dallas, TX

August 2021 - September 2022

Designer & Fabricator | Self-Employment | Dallas, TX

2022 – Present

- Design and fabricate commissioned and consignment residential furniture, manage projects from initial client consult and concept development through material selection, fabrication, and install