

Douglas E Branstetter www.dougbranstetter.com

6439 Turret Drive, Colorado Springs, CO, 80918 | 563-508-8741 | dougbranstetter@yahoo.com

Objective

I worked as a mechanical designer for over 30+ years. My duties included tool design, machine design, creating technical drawings, and technical illustrations for illustrated parts breakdown, service manuals, and design concept review. I am seeking a creative and challenging position in a company where I can demonstrate my technical skills and illustration talent as an industrial designer. I possess an Associate of Applied Science degree in Computer-Aided Design and drafting and working on a bachelor's degree in Graphic Design and soon to graduate in May of 2020.

Experience

E91

Mechanical designer / technical illustrator

November 2017 – June 2019

- Assisted manufacturing engineers at John Deere manufacturing plant in developing tooling requirements and created technical drawings using Creo and Solidworks for new tool design.
- I revised and created Illustrated parts breakdown for digital technical manuals using Adobe Illustrator.

Geometric Americas Inc.

3D modeler / Tool Designer

December 2008 – November 2017

- Visited manufacturing sites and being detail-oriented I was able to acquire detailed information of existing tooling to create 3D models using Creo for a redesign.
- I was also required to create illustrations and technical writing to document rework instructions.

Amsted Rail

Sr. Mechanical Designer / Product Design

October 2001 – December 2008

- Assisted product engineers in creating technical drawings and 3D models of the cast iron side frame and bolster for rail car trucks using ProEngineer, Unigraphics, and AutoCAD.
- With my analytical and project management skills, I documented existing designs by creating a database using Microsoft Access.
- I also created technical illustrations to be distributed to the sales and marketing department.

Planet Tool and Engineering

Mechanical Designer

November 1996 – October 2001

- Working with customer specifications I designed and created detail technical drawings for custom machines using AutoCAD.
- Assisted in sourcing material and worked with vendors to procure OEM parts and equipment.
- Created concept 3D models and virtual simulations for customer design review and approval.
- Created illustrations and technical writing for custom machine operation, maintenance and repair manuals.

Boeing Aerospace Co.

Technical Illustrator / Product Support

June 1989 – November 1996

- I worked in the product support department as a logistics engineer creating illustrations, technical drawings, and technical documentation for retrofitting the F-15 aircraft.
- By consulting with product design and retrofit engineering, I researched and analyzed aircraft configurations to determine which aircraft needed the design change.
- I also conducted training on new database software to track configuration changes.

United States Navy

Aircraft Structural Mechanic – Petty Officer Second Class E5

February 1983 – February 1987

- Stationed at China Lake CA, Test and Evaluation Squadron VX-5 maintaining the A-7E and F-18 aircraft.
- Worked with sheet metal, hydraulic system, and flight control rigging.
- Section leader in charge of the wash crew and watch patrol.

Education

Upper Iowa University

Bachelor of Art, Graphic Design Expected to graduation, May 2020

Cumulative GPA: 3.7/4.0

Related coursework: Intro to Graphic Design, Digital Photography, Digital Imaging, Digital Illustration, Advertising Design, Typography, Publication Design, and Web Publication and Social Media

Eastern Iowa Community College District

Certificate of completion, Web Application Development. (2015 - 2015)

Related coursework: HTML5, CSS, JavaScript, Ajax, PHP, and SQL

John A. Logan College

Associate in Applied Science, Computer Aided Design and Drafting (1987 - 1989)

Cumulative GPA: 4.8/5.0

Related coursework: Computer Graphic, Manufacturing Process, Metallurgy, Technical Drafting, Descriptive Geometry, Materials, Technical Physics, Tool Design, and Architectural Drafting

Top Software Skills

- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign
- Adobe Dreamweaver
- Adobe Premiere Pro
- Microsoft Office
- Creo
- Inventor
- Solidworks