

DOUGLAS BRANSTETTER

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EXPERIENCE

06/2020 – PRESENT

ENGINEERING DRAFTER, LEIDOS

- Support government Configuration Management (CM) lead in his activities.
- Update Space Based Infrared System (SBIRS) drawings and models to current configuration as changes are implemented.
- Research available system and documentation as projects dictate, and restructure drawing database hierarchy to accommodate need structure changes.
- Actively supported SNP with the submission and delivery of Mobile Communication Vehicle (MCV) modification drawings from Kansas City National Security Campus (KCNSC) for PDM vehicle modifications.
- Integrate modified documents from KCNSC drafting personal and SNP task lead into the existing system drawing package and modified the overall drawing tree.
- Provide engineering team support locating drawings and needed documentation packages for task including MCV battery charger replacement, ADU W2 cable rebuild, PCPU repair, and display slide rail replacement.

11/2017 – 06/2019

TOOL DESIGNER, ENTEGEE ENGINEERING

- Worked primarily on fixtures for assembly, welding, work holding, special tools used in machining and assembly.
- Determined practical approach to determining tolerance as it relates to manufacturing, assembly, and welding.
- Evaluated what equipment and process will be needed to complete the work.
- Used computerized design and CAD tools including CREO, SolidWorks, and Inventor to perform job requirements.
- Active knowledge of tool design, machines, engineering standards, procedures, and new technology (materials, hydraulic and/or pneumatic clamping).

12/2008 – 11/2017

REVERSE ENGINEER, GEOMETRIC AMERICAS INC.

- Studied existing tool design and extracting that information to determine how the pieces fit together when the original blueprint is no longer available.
- Collected abstracted information and create a conceptual model using CREO CAD software, with each piece of the model explaining its function in the overall structure.
- Worked with John Deere Combine harvester S-Series manufacturing engineers to review the CAD models and test it in various scenarios as a guide for new tooling requirements.

10/2001 – 12/2008

PRODUCT DESIGN, AMSTED RAIL

- Assisted product engineering in creating technical drawings of cast iron side frame and bolster for rail car trucks.

- Created a database for all existing technical drawings and design data to keep track of drawing revisions.
- Produced prototype 3D models for stress and functional test.
- Assisted in defining product specifications and designing fully functional product.

11/1996 – 10/2001

MECHANICAL DESIGNER, PLANET TOOL AND ENGINEERING

- Designed and created technical drawings for custom automation machine.
- Sourced material and worked with vendors to procure OEM parts and equipment.
- Created 3D concept models and virtual simulations for design review and approval.
- Retrofit mechanical, hydraulic, pneumatic and electrical systems for automation machine, jigs and fixture assembly.

06/1989 – 11/1996

LOGISTIC ENGINEER, BOEING

- Responsible for the retrofit of the F-15 aircraft.
- Researched and analyzed different F-15 configurations to determine different retrofit changes for each aircraft.
- Procured hardware and tools need to install new equipment.
- Provided to the Air Force retrofit kits which comprised of parts, hardware, illustrations and documents for installing new equipment.

02/1983 – 02/1987

AIRCRAFT STRUCTURAL MECHANIC, UNITED STATES NAVY

- Maintaining and repairing onboard systems, such as hydraulic pumps, auxiliary power systems and more
- Maintaining aircraft landing gear, brakes, pneumatic systems and related components
- Inspecting and replacing hydraulic system components
- Repairing aircraft fuselage, wings, airfoils, seats, wheels and tires, controls and mechanisms
- Installing and rigging aircraft flight control surfaces
- Assembling metal components to make repairs to aircraft exterior.
- Performing daily, preflight, postflight and other types of aircraft inspections

EDUCATION

JUNE 2020

BACHELOR OF ART, UPPER IOWA UNIVERSITY

Graphic Design, course study includes:

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| ● Advertising Design | ● Digital Video and Editing |
| ● Branding | ● Social Media Marketing |
| ● Consumer Behavior | ● Typography |
| ● Digital Photography and Editing | ● Web Publishing and social media |

MAY 1989

ASSOCIATES OF APPLIED SCIENCE, JOHN A LOGAN COLLEGE

Computer Aided Design-Drafting, course of study includes:

- Manufacturing process
- Metallurgy
- Technical drafting
- Computer graphics
- Materials
- CAD/CAM operation
- Industrial design
- Technical physics

SKILLS

- ASME Y14 Standards
- CorelDraw
- Adobe Photoshop
- Adobe Illustrator
- Solid Works 2D/3D
- AutoCAD 2D
- Cero Elements 2D/3D

CERTIFICATES

- Solidworks Associate, Mechanical Design