

Daniel J DuPlessis

5173 Rutledge Drive S, Columbus, Ohio 43232
585-752-6496 – djduplessis@att.net

Objective

CAD Technologist and Graphic Designer with quality skills and meticulous attention to detail seeking exciting, intermediate, and senior job opportunities in Engineering, Design, Research & Development, Support, or related fields of knowledge.

Knowledge & Skills

Skills:

AutoCAD, Solidworks, Space claim, Autodesk Inventor, Catia V5, Microstation V8i, Microstation Connect, Edge CAM, Fusion 360, Solid Edge, Primtech for AutoCAD, SDS for Inventor, G Code, Basic Python Programming Language, Pegasus Programming Language, Primavera 6, ProjectWise Document Management System, Microsoft Office Applications, Basic VBA Excel & Outlook, Windows Applications, Adept Document Management System, Innovative, Time Management, Project Management, Basic iLogic for Autodesk Inventor, HTML5 Scripting, CSS Scripting, Adobe Creative Cloud Applications, Graphic Design

Knowledge:

Basic Electronics, Basic Hydraulics & Pneumatics, Machining & Fabrication, CNC Lathe & Mill Applications, Quality Assurance/Control, Basic Electrical Wiring, Machine Operation & Shop Equipment Safety, Substation Entry Safety, Substation Equipment Knowledge, Preventative Maintenance Knowledge, Knowledge of High Voltage Electrical Lines and Equipment ranging from 15kV to 800kV, Augmented Reality (AR) & Virtual Reality (VR) Modeling Applications and Integrations, CAD Standards, ANSI/ASME Standards, ISO Standards

Education

FRANKLIN UNIVERSITY, Columbus, OH

August 2022 – December 2024

Interactive Media Design

Bachelors Degree in Applied Science, Interactive Media Design
Courses include Graphic Design, Web Design/Development/Implementation, and Computer Science

OWENS COMMUNITY COLLEGE, Findlay/Toledo, OH

January 2017 – May 2018

CAD Technology

Associates Degree in Applied Science & Engineering, CAD Technology
Certification in CAD Technology
Courses include GD&T, CAD, CAM, Machining, and Blueprint Reading

UNIVERSITY OF TOLEDO, Toledo, OH

August 2015 – December 2016

Mechanical Engineering Technology

Areas of study include Computers for Engineering Technology, Machining & Fabrication Operations, Research and Development Projects, Technical Writing, and Product Development Presentations

MILLSTREAM CAREER CENTER, Findlay, OH

August 2013 – May 2015

Engineering Technology

Studied basic knowledge of Engineering Technology, CAD Technology, Machining Operations, and Industrial Arts Operations

Experience

AEP TRANSMISSION, New Albany, OH

March 2021 – October 2023

CAD Technologist – Design Engineer (Transmission-Line Standards)

- One of few selected individuals helping with Integrated Design and Construction (IDC) initiative
- Responsible for design related initiatives regarding drawing conversions from Bentley Microstation to Autodesk Inventor
- Spearheaded conversations on standard operating procedure creation
- Designated floor warden during COVID-19 quarantine period
- Responsible for 3D Model and Drawing creation of equipment used across 69kV – 345kV Lines
- Designed higher voltage Models/Drawings as needed by order
- Wrote culture articles on design technology on a quarterly basis
- Handled communication to project management on initiatives and deadlines the team would work on
- Lead designer for Mixed Reality (XR) and Virtual Reality (VR) asset creation and compliance initiatives

AEP TRANSMISSION, New Albany, OH

September 2019 – March 2021

Contractor CAD Technologist – Contractor (Station Design Standards)

- Responsible for creating 3D models of station equipment to be used by production teams
- Hand-picked for IDC Tool testing and evaluation
- Part of Design Standards Integrated Design and Construction team
- Coordinated 3D model creation between designers
- Coordinated task management for CAD Standards & Practices development
- Restructured 3D model library for optimal efficiency
- Reviewed and provided feedback on standards development documentation
- Assisted in creation of 3D model and Assembly checklists
- Re-configured and re-designed models and symbols as needed in their respective libraries
- Assisted all of Station Design Standards teams in Autodesk Inventor installation and tool migration
- Tasked with development of file linking, animation, attribute standardization and creating smart models

AEP TRANSMISSION, New Albany, OH

May 2018 – September 2019

Contractor CAD Technologist – Contractor (Station Equipment Standards)

- Communication Liaison between Equipment Vendors and most Engineers outside of Equipment Standards team requiring MFG Drawings
- Responsible for ProjectWise Document & Drawing organization, reformatting, and restructuration
- Part of Testing and Support team for Integrated Design Tool testing using AutoCAD and Inventor
- Utilized Microstation V8i & Connect to convert acquired Vendor 3D Models to a format usable by the station design team
- Assisted with design coordinators Work Package guidelines Revision meetings
- Worked with Software Integration team to help create tools using VBA and Microsoft office to automate repetitive and time-consuming tasks

GSW MANUFACTURING, Findlay, OH

December 2017 – March 2018

Engineering Co-Op – Tool & Die Intern/Design Technologist

- Designed trial continuity checkers for all new wire harnesses to be implemented in production
- Designed various blocking jigs for connectors of all shapes and sizes to be used on assembly lines
- Maintained inventory of all fabricated components for use on later dates
- Operated various machines such as; Table Saw, Band, Saw, Surface Grinder, Angle Grinder, Grinding Wheel, CNC Mill, Engine Lathe, Engine Mill, Belt/Disk Sanders
- Co-operated with other employees to assist in completion of critical tasks as well as supported line workers with requests to optimize job functionality