Jon Klinger

Expert Creo Surface Modeling and Engineering
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Creo, Inventor, Solidworks, OnShape, AutoCAD, Revit | WindChill, PDM, OnShape | DOE/Validation | DFM/DFA | Plastics | Mentoring | GD&T

Phinite, Inc - Mechanical Engineer - Beulaville, NC - Sept 2022 - Jan 2023
Automation Mechanical Design Startup - *Direct Hire*

- Rapidly reduced prototype cost by roughly 35k in a rapidly changing environment with multiple priorities.
- Learn programming and become familiar with VFDs, PLCs, I/Os, and network issues to troubleshoot control systems.
- Provided direction to three technicians, and listened to them about pain points in the assembly and operation.
- Managed multiple projects, relaying critical information to stakeholders, remaining flexible in a rapidly evolving environment.
- Provided expertise pertaining to business acumen and a variety of engineering disciplines, to include mechanical, civil, controls, information technology, and network security.

Porticos Inc. - Design Engineer - Morrisville, NC - Aug 2019 - Sep 2021
Engineering and Product Design - *Direct Hire*

- Created high quality, robust, parametric, manufacturable, **Class A Surface model** for a new introduction product from native industrial design files using top down and master model disciplines in **Creo and Windchill**.
- Composed 2D Drawings, using ASME Y14.5 Daily
- **Edited existing Creo parts without downstream failures**, reducing lead time for customers.

John Deere - Product Engineer II - III - Fuquay-Varina, NC - Mar 2018 - Aug 2019
Precision Equipment Design and Manufacturing - Contract Role through RFA Engineering

- Designed new products, created solutions for issues with existing products, and implemented both on the production floor.
- Worked with process plans, authored work instructions, Designed in **Creo**, and used **Windchill** and **SAP** to update, obsolete, manage, and release documents.
- Trained in **Geometric Dimensioning and Tolerancing** and Model Based Dimensioning, using ASME Y14.5 daily in conjunction with Quality and design
- Mentored other engineers on best practices with regards to CAD, **Class A Surface** Modeling, SAP procedure, and Tolerancing, and **editing existing Creo parts without downstream failures**.

Caterpillar, INC - Prototype Engineer - Clayton, NC - Mar 2016 - Jan 2017
Heavy Equipment Manufacturing Project Management - *Contract Role through EASi, LLC*

- Managed daily shop, technician, and machine maintenance orders and activities.
- Consolidated and categorized all parts on all models for logistics planning, including grouping, storage, and tracking.

Newell Rubbermaid - R&D Engineer - Huntersville, NC - Apr 2014 - Oct 2015
Consumer Product Design Engineer - *Contract Role*

- Over 120 hours of **Class A Surface Modeling training** and multiple design projects with skeleton based **Class A Surfaces** housed in **Windchill**, while **editing existing Creo parts without downstream failures**, reducing lead time.
- Worked on product improvement programs, along with cost reduction programs, and new product design.
- Worked with PPAP, ECO, Specification of materials, Finishes, Assembly specifications.
- Managed part tracking, tooling, documentation, costing, deviations. Coordinated Design Reviews.

Caterpillar, INC - Engineer II - Sanford, NC - Mar 2012 - Jan 2014
Off-Road Heavy Equipment Design - *Contract Role through Belcan Engineering*

- Modestly picked up **Surface Modeling** on the fly and sought individual professional training online in **Creo**
- Worked with cross functional teams during NPI cycle to facilitate assembly planning, quality, and prototyping.
- Supported production with manufacturing issues daily as a continuous improvement engineer in an ISO 9001 environment.

Education:

BS - Mechanical Engineering - North Carolina State University - 2011
AA - College Transfer - Wake Technical Community College - 2007

Patents:

US 20160206095 A1 - Universal connector bracket for a storage system. - USPTO

Philanthropy | Solar Power | Hunting | Habitat Conservation | Boating | Sports and Coaching| Lifetime Education| Regenerative Farming and Gardening | Energy Conservation | Automation | Artificial Intelligence