

Dean J. Long
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At a glance:

Creative and diligent Product Design and Engineering Professional.
Creo2 (Pro/ENGINEER) Designer
SolidWorks Designer
Industrial Designer - Conceptual Designer – Class A and exterior surface development.
Business owner

Employment Experience:

1997 – Present NeuTech Associates, Inc. Fenton, MI.
www.neutechnet.com Bradenton, FL.

Product Design Engineer

Responsible for total product engineering and development, project management, prototype procurement and manufacturing of numerous industrial, automotive, consumer, medical and mechanical engineering design projects. Developed products as team lead and managed projects that include injection molded plastic, compression mold, insert mold, SMC, RIM, Chop-over FRP, investment cast, sheet metal, forged, die cast and machined metal. Design of vehicle and consumer products electro-mechanical products. Exterior Class “A” surface development with all “B” side details and manufacturing considerations. Products developed include interior and exterior surface development of heavy trucks, utility and agricultural vehicles, automotive hard and soft trim, exterior and chassis components and systems, handheld electronic devices, point-of-sale kiosk products, electronic cash registers, electro-mechanical design and packaging, recreational vehicle sanitation devices, full size and personal watercraft, model electric trains, residential security panels, residential and industrial fire detection and security panels, Faucet and shower handles, DoD military and commercial gas turbine engine components, DoD military and commercial weapon components, wire harness and routed systems, industrial components and systems, tooling and fixtures.

1995-1997 Irvin Automotive Pontiac, MI.
www.irvinautomotive.com

Product Design Leader / Engineer

Design Leader responsibilities included time management, employee evaluations, Pro/ENGINEER training and guidance of team members in all aspects of development for Irvin Automotive products. Product Design Engineer position required development of automotive interior products such as armrest assemblies, security shades and sun visors. Products required Class “A” surface development and design for injection mold plastic, drawn metal, structural foam and fabric. All design conducted with Pro/ENGINEER software suite.

1992-1995 Cardell Corporation Rochester Hills, MI.
(purchased by Molex 1998)

Product Design Leader / Product Designer

Design leader responsibilities included time management, employee evaluations, Pro/ENGINEER training and guidance of team members in all aspects of development for Cardell products. Product Designer responsibilities included design and development of injection and insert molded automotive connectors and wiring systems, ABS modules, engine management sensors and high speed progression die stampings. Initiated GD&T driven product inspection gauge process.

1989 – 1992 VDO-Yazaki Corporation Rochester Hills, MI.

Instrument Cluster Designer

Developed, designed and detailed all components of automotive instrument cluster assemblies and interior trim components in the US and Japanese facilities. All design conducted with Intergraph/EMS.

1986 – 1989 Delco Electronics (Delphi Automotive) Flint, MI.

Sr. Detailer / Associate Designer (Contract)

Light design and full detail of injection molded components of automotive instrument clusters. All design conducted with Applicon/Bravo5.

1985-1986 Thomas Design and Engineering Flushing, MI.
(Out of business)

Detailer

Detailed various components of automotive instrument clusters and steering gear assemblies for vehicles. All detailing was manual drafting.

Applicable skills and background:

Current Pro/ENGINEER Creo2, ISDX and Pro/Surface, IcemSurf, Solidworks 2014, Class “A” vehicle and organic surface design, industrial design development, strong plastics and metal design, DFM/DFA methods, strong human factors design experience, GD&T, product detailing, inspection, manufacturing and work instruction specifications. Working Knowledge of Intralink and Windchill Data Management systems, Sketching, industrial design and PhotoShop rendering, Ability to think outside conventional thought process to arrive at a sound product solution quickly. Engineering Management skills developed from over eleven years as an executive / business owner.

Educational Experience:

1990 -1995 Oakland University Rochester Hills, MI.

1985 -1988 Mott Community College Flint, MI.

1982 -1985 Charles Stuart Mott High School Waterford, MI.

Brief Client List:

FN Manufacturing, Inc., Jabil, Basewest, Inc., Core Survival, Inc., Thetford Corporation, Applied Technologies, John Deere Germany, John Deere North America, Club Car, Inc., Alcon Labs, Williams International, Henry Dreyfuss Associates, Visteon Automotive, Ford Motor Company, Mack Truck, Norcold Appliance, Sundberg Ferar, TRW Automotive, Lionel Trains, Alsons, Yazaki N.A, Ingersoll-Rand, Consolidated Metco, Club Car Inc, BobCat Company., Mack Molding, Husqvarna North America.