Dan Perreault

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Summary

An engineer with 30 years of professional experience, including 28 years in "3D". Extensive experience in hands-on metrology, 3D scanning, reverse engineering, 3D printing and rapid prototyping. Skilled at applying new technology to help resolve engineering and manufacturing problems.

Experience

President

NeoMetrix Technologies, Inc.

Jul 2003 - Present (18 years 1 month +)

NeoMetrix provides solutions for rapid product development, including 3D scanning, 3D printing, rapid prototyping, and reverse engineering. Established value added reseller relationships with top manufacturers such as Creaform, Markforged, BigRep & 3D Systems. Built NeoMetrix from the ground up going from a one-man operation to a well-respected team of 10+ employees. Build long term working relationships with world class companies such as Disney, Lockheed Martin, Northrop Grumman and Johnson & Johnson by providing comprehensive solutions for engineering and manufacturing including equipment sales, application development, professional training and on-going support.

Sales Director

Direct Dimensions

Jun 2002 - Jul 2003 (1 year 2 months)

Sale of FARO Arms, Perceptron & Minolta 3D Laser Scanners, Geomagic & Polyworks software. Promoting the use of non-contact laser scanning solutions for 3D measurement, reverse engineering, and computer aided inspection.

Director, Application Engineering

FARO Technologies

Nov 1997 - May 2002 (4 years 7 months)

Recruited, hired, trained, and lead a team of highly skilled applications engineers in support of worldwide sales organization to promote the FARO Arm portable CMM as the new standard in manufacturing metrology. Developed and deployed comprehensive training curriculum for data collection, CAD to part inspection, sheet metal measurement, reverse engineering. Cited as contributor on patent for "Control Station" inspection system, which allows for complex 3D measurement using pre-programmed routines for minimally trained operators.

Applications Engineer

FARO Technologies

1993 - 1997 (5 years)

Promote portable coordinate measuring machines as a real alternative to traditional CMM's and other measurement systems for reverse engineering and computer aided inspection. Traveled extensively throughout the U.S., Latin America and Europe to assist in the development of applications to solve real manufacturing related metrology issues in the automotive and aerospace industries. Worked closely with FARO software and hardware engineers adapt a medical measurement tool for industrial applications.

Mechanical Engineer

ECC

1991 - 1992 (2 years)

Mechanical design of components for C17 jet engine maintenance trainer.

Education

Embry-Riddle Aeronautical University

Bachelor of Science, Aerospace, Aeronautical and Astronautical Engineering

1985 - 1989

Aeronautical engineering. Aerodynamics & aircraft structures. Design & analysis. Computer aided design, finite element analysis.

Skills

Reverse Engineering • Laser Scanning • CAD Modeling • 3D • Solidworks • 3D Printing • Rapid Prototyping • SpaceClaim • Geomagic