Michael DeVries

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Dimensional Management Engineer with experience in dimensional management from early design through launch and manufacturing with a B.S. degree in Mechanical Engineering. I work with both upstream and downstream colleagues to develop standardized processes and methods to efficiently transfer information in an optimized workflow. I am an expert in the use of Microsoft Excel, Access, and advanced programming in VBA for processing large volumes of data and automating tedious tasks and generating standardized reports. I am looking to leverage my knowledge and experience to develop efficient and innovative solutions leveraging existing and new technologies to standardize processes and improve the efficiency, consistency, accuracy, and quality within an organization.

PROFESSIONAL EXPERIENCE

DIMENSIONAL CONTROL SYSTEMS, Troy, MI
Contract Employee to FIAT Chrysler Automobiles
Dimensional Management Engineer, May 2010 – Current

- Developed control plans for all the current production programs.
- Developed the corporate Data Analysis workbook used for analyzing dimensional data, requesting tolerance dispositions, and also supporting the bluepoint(PPAP) process.
- Developed change management process for tolerance dispositions and bluepoint (Dimensional PPAP) for control plans.
- Developed standardized Master Workbook for all the BIW assembly and stamping control plans.
- Developed a Microsoft Excel Add-in application to update tolerances in PC-DMIS programs using VBA.
- Developed a Microsoft Excel workbook application to compare features from NX CAD to features in data files from the CMDANA database to identify changes to CAD.
- Developed Microsoft Workbook that pulls data from FCA CMDANA database and performs forensic analysis on the data in the system to identify data integrity issues.
- Developed Microsoft Access Database to pull data directly from CMDANA database and calculate the corporate scores to replace a labor intensive process.
- Took over the corporate reporting from 3 other people due to the efficiencies introduced into the process with the Microsoft Access database.
- Consulted on the development of a Sharepoint Site for users to upload disposition requests and get the required approvals using Sharepoint workflow. Updated Disposition workbook with Sharepoint Metadata fields and updated VBA code to automatically populate the fields.

More professional employment experience available upon request.

EDUCATION

MICHIGAN TECHNOLOGICAL UNIVERSITY, Houghton, MI
Bachelor of Science in Mechanical Engineering, May 1993

- Vibrations, noise control, automatic controls, robotics, and quality control.

Bachelor of Science, Engineering Administration, May 1993

- Quality, TQM, and Management of Teams

ADDITIONAL SKILLS

- Expert in Microsoft Excel and Access
- Expert in Visual Basic for Applications and automation of tasks in Excel
- Knowledgeable in all aspects of dimensional management from datum definition, GD&T tolerances, RSS Stack Studies, Variation Systems Analysis modeling, Gage design reviews, GR and GR&R studies, Capability Studies, Cp/Cpk, Pp/Ppk, run charts, PPAP, and control plans.
- Reputation of developing automated solutions within my job responsibilities and developing standardized documents, processes, and working with others to improve the efficiency of the organization.

Resume

Michael W. DeVries

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CAREER OBJECTIVE:
An engineering position where I can utilize my ability to develop efficient and innovative solutions leveraging existing and new technologies to standardize processes and improve the efficiency, consistency, accuracy, and quality within an organization.

EXPERIENCE:
Bachelor of science degreed mechanical engineer dimensional management engineering experience in all aspects of dimensional management from datum definition, GD&T tolerances, RSS Stack Studies, Variation Systems Analysis modelling, Gage design reviews, GR and GR&R studies, Capability Studies, Cp/Cpk, Pp/Ppk, run charts, PPAP. Very strong data processing and analytical skills.

EDUCATION:
Michigan Technological University, Houghton, MI - Cumulative GPA: 3.04
Bachelor of Science, Mechanical Engineering, May 1993
Special Emphasis: Vibrations, noise control, automatic controls, robotics, and quality control.
Bachelor of Science, Engineering Administration, May 1993
Special Emphasis: Quality, TQM, and Management of Teams.

SOFTWARE SKILLS AND TRAINING:
Microsoft Office: Excel, Word, Powerpoint, Outlook , and Access
NX: Create GD&T drawings and measure features.
CATIA V4 & V5: Create GD&T drawings, measurement points. Cut sections, measure gaps and flushness, measure holes, slots and other features.
TeamCenter: Create new items, item revisions, release drawings and math models, importing and exporting models.
Six Sigma: Completed first portion of Six Sigma Training in 2006.

EMPLOYMENT HISTORY:
Dimensional Control Systems, Troy, MI, Dimensional Management Engineer - (248) 269-9777
Contract to Chrysler Group LLC
May 2010 – Current

DeVries & DeVries Software Solutions, LLC. , Auburn Hills, MI – (248) 495-6000
Chief Executive Manager
February 2006 – May 2010

Prestige Engineering, MI, Dimensional Management Engineer - (586) 573-3070
Contract to International Automotive Components Group North America
July 2007 – January 2009; July 2009 – February 2010

Collins & Aikman, Southfield, MI, Dimensional Management Engineer (Bankrupt)
January 2007 – July 2007

Orchard Design, Metamora, MI, Dimensional Management Engineer – (810) 678-3608
Contract to Intier Automotive
July 2006 – January 2007

Collins & Aikman, Southfield, MI, Dimensional Management Engineer (Bankrupt)
August 2004 – July 2006

Avatar Group, Madison Heights, MI, Dimensional Management Engineer (Dissolved)
Contract to Collins & Aikman
May 2002 – July 2004

EDS PLM Solutions, Inc, Southfield, MI, Dimensional Management Engineer
Contract to many different companies, see project log.
March 1994 – May 2002