

VIRGIL WILLIAM MCDONALD

- PERMANENT ADDRESS** 9283 Shady Lake Drive Apt 203
Streetsboro, OH 44241
(330) 245-4135
vmcdonal@kent.edu
- OBJECTIVE** To obtain a safety specialist or quality position within a growing company.
- EDUCATION** **Bachelor of Science**, May 2007
Kent State University, Kent, Ohio
Major: Industrial Technology
- SIGNIFICANT COURSEWORK** Engineering Drawing, Design for Technology, Industrial Safety, Automated Manufacturing, Hydraulics and Pneumatics, Materials and Processes
- COMPUTER SKILLS** Microsoft Windows XP, Microsoft Word, Excel, Access, PowerPoint, Corel WordPerfect, IQMS, AutoCAD 14, 2005
- WORK EXPERIENCE**
- Quality Technician**, Empire Die Casting,
Macedonia, Ohio (December 2008 - February 2009)
- Worked in an ISO 9001 certified aluminum and zinc die casting facility. In charge of performing floor inspections in order to maintain a consistent quality of parts and components for production. Operated the CMM to check critical dimensions of certain parts. Utilized various quality tools such as Vernier calipers, micrometers, flatness gauges, go-no-go gauges, gage pins, and dial bores in order to accurately check production.
- Industrial Technician**, Design Molded Plastics,
Macedonia, Ohio (October 2007 – November 2008)
- Worked in an injection molding environment. In charge of the development and implementation of a safety program for the facility to comply with OSHA's rigorous standards. Responsible for setting up a preventative maintenance program for the molding machines, molds, and other plant equipment. Certified as an ISO 9001 Internal Quality Auditor. Primarily used IQMS software, Microsoft Access, Excel, and PowerPoint.
- Student Enforcement Officer**, Parking Services, Kent State University,
Kent, Ohio (January 2005 – May 2007)
- Enforced both student and faculty parking lots through ticketing and/or towing. Kept unauthorized persons off the campus and helped disabled vehicles with jump starts, unlocks, tire inflates, and gas transports.
 - Employee of the Year, August 2005 – May 2006
- HONORS/ ACTIVITIES**
- OSHA Certification**, OSHA Recordkeeping, Bureau of Worker's Compensation,
October 2008 - present
- ISO 9001 Certification**, Internal Quality Auditor, Design Molded Plastics, October 2007
- present
- Employee of the Year**, Kent State Parking Services, August 2005 – May 2006
- Hydrogen Fuel Cell Exhibitor**, Open House, College of Technology, Kent State
University, October 14, 2006
- Certificate of Completion**, Manufacturing and Pre-Engineering Academy, August 1999
– May 2001
- Certificate of Completion**, Engineering Technology Program, Summer Honors Institute,
University of Akron, May - July 1998 and May – July 1999
- REFERENCES** Excellent References Available Upon Request

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CAREER SUMMARY

Senior Product Engineering professional specializing in Consumer Product Development and Manufacturing Engineering. Twenty-five years of experience in Engineering Department Management, Project Management, Product Engineering, Manufacturing Engineering and Quality Assurance. Key areas of expertise:

- Multiple Industries Experience
- Results Oriented
- Well Developed Organizational Skills
- Creative yet Realistic
- Experience in Plastic and Metal Components
- Budgeted Project Management
- Concept Through Production Capable
- Cross Departmental Interaction
- Sensitive to Bottom Line Requirements
- Works well with Colleagues

PROFESSIONAL EXPERIENCE

Kinetico Inc., Newbury, OH **2006 - 2008**
Manufacturer of water treatment systems.

Project Engineer

Supported Manufacturing Engineering Department Cost Reduction and Process Improvement Initiatives.

- Completed manufacturing process feasibility studies of bringing roto-molding and liquid silicone rubber molding production lines in house.
- Supported manufacturing process by sourcing and purchasing an injection molding machine, a 3-axis robot, and a hot plate welder.
- Made process improvements to the tank spin welding work cell that involved tooling upgrades.
- Used Solid Edge 3D modeling software to design and develop fixturing equipment for secondary machining and testing of injection molded components and assemblies,

Polymer and Steel Technologies, Eastlake, OH **2002 - 2004**
Manufacturer of filament wound composite pressure vessels/components and roto-molded hazardous waste and spill containment products.

Engineering Manager, ENPRESS LLC/ENPAC Corp.

Managed daily functions of product engineering, manufacturing engineering, quality assurance, and maintenance/facilities.

- Project engineering responsibility for bringing the ENPRESS pressure vessel manufacturing business online.
- Managed Engineering department activity and contributed to the product design and development of injection molded and extruded plastic pressure vessel components and assemblies.

Pentair Water Treatment, Chardon, OH **1994 - 2002**
Manufacturer of filament wound composite pressure vessels and injection molded, blowmolded, and roto-molded components. AKA Structural North America and Wellmate Water Systems.

Pentair Water Treatment (continued)

Manager of Operations Engineering/Process Improvements **2000 - 2002**

Supervised projects within departments of responsibility, which included: product engineering, manufacturing engineering, quality, in-house machine shop, maintenance and facilities.

- Responsible for new product development and sustaining engineering projects.
- Supported cost reduction initiatives by developing and managing capital projects within all departments of responsibility.
- Major area of involvement was continued support of design and manufacturing improvements of relocated product line to Chardon facility.
- Contributed to lean manufacturing initiatives.
- Worked to identify areas of required improvements in areas of responsibility and to implement programs to achieve measurable improvement.

Manager of Manufacturing Engineering **1998 - 1999**

Responsible for Wellmate product engineering and manufacturing engineering projects and personnel throughout the production facility.

- Concentrated on component and assembly redesign and cost reduction.
- Project manager for \$2.5M West Coast manufacturing facility relocation project involving engineering, maintenance, and facilities department personnel.
- Responsible for production line planning and facilities modifications required to support implementation of new product production line.

Engineering Coordinator **1997**

Responsible for day-to-day design engineering activity.

- Concentrated on product line additions/enhancement and new product development based on sales and marketing driven requirements.
- Continued development of proprietary pressure vessel design in order to expand product offering into larger market and increase sales potential.
- Worked closely with German company business partner to satisfy product line requirements.
- Supported technology advancement projects in the area of thermoplastic pressure vessel design and manufacturing process.

Product Engineer **1994 - 1996**

Pressure vessel product design and development.

- Injection molded and blowmolded component and assembly design responsibilities.
- Project management responsibilities from concept through production, including: component design, tooling quotations, purchasing, quality assurance, testing manufacturing/assembly equipment and packaging.
- Created entirely new product line in partnership with a German pressure vessel manufacturer.
- Fast track project completed in six months as scheduled by utilizing state of the art rapid prototyping techniques.
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EDUCATION

Bachelor of Science from College of Fine and Professional Arts

Major: Industrial Design
Kent State University, Kent, OH

PATENTS & AWARDS

Patent #5,484,079 – Filament Wound Pressure Vessel, 1996
SEMA Product of the Year – Street Scoop, Mr. Gasket Company, 1982

Joel Roop

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Hudson, OH 44236
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SUMMARY OF QUALIFICATIONS

Sales experience

Supported between \$500K and \$800K/ year sales from inbound calls
Led Applications Team in converting support requests into leads

Applications Experience

Configured numerous measurement systems based on customer requirements
Diagnosed production limits, including both hardware and software issues
Wrote programs illustrating equipment capability and measurement optimizations

Management Experience

Migrated clerical staff to inside sales organization.
Hiring Manager for both sales and applications folks with company relocation

Computer Skills

Visual Basic - Strong Programming Skills

PROFESSIONAL EXPERIENCE

Keithley Instruments, Solon, OH

Keithley Instruments designs, develops, manufactures and markets precision electronic test and measurement instruments and systems.

Sr Applications Engineer

2002-2009

Responsible for front-line applications engineering and sales support.

- Handled incoming calls from both existing and potential customers.
- Established measurement needs and suggested appropriate Keithley equipment.
- Made follow up recommendations to the sales organization.
- Assessed customers' problem reports to differentiate hardware failures from application or software issues.
- Provided new product measurements to development team.

Keithley Instruments, Solon, OHInside Sales Supervisor

1997-2002

Supervised new department to increase sales from smaller accounts.

- Directed selling activity for leads generated by direct marketing campaigns, web requests, and incoming phone calls.

MetraByte Corporation, Taunton, MA

MetraByte Corporation became part of the Keithley MetraByte Division in 1989, as part of a merger between Adaptable Laboratory Software, Inc., Macmillan Software Co., and MetraByte Corporation. This division created software and hardware that converted raw data into easily read and interpreted graphics and charts.

Hiring Coordinator

1996

Worked with Human Resources Department to staff sales and support personnel as 175-person MetraByte operation moved from Taunton, MA to Solon, OH.

- Reviewed resumes and selected those to interview.
- Chaired the selection committee.
- Provided Product Line Training for new and existing personnel.

Inside Sales Manager

1992-1996

Migrated a customer support operation to an inside sales group.

- Trained agents how to qualify company's data acquisition prospects.
- Coordinated company's sales training.
- Introduced agents to CRM software.
- Added a feature to FAX sales leads to the field representatives every evening.
- Awarded Keithley Founders Award 1993.

Regional Product Specialist (Mid East Region)

1988-1992

Provided applications support for Keithley Representatives. Typically, would require on-site visits at customers' locations to determine customer needs, make hardware recommendations, provide customized software demonstrations and close sales.

Applications Engineer

1985-1988

Introduced potential customers to gathering data from a PC. Provided consultation on sensor interfacing, computer limitations, and data acquisition potential.

EDUCATION

MSEE, Cornell University, Ithaca NY

Additional graduate work completed in Biomedical Engineering, Worcester Polytechnic Institute, Worcester MA