WILLIAM C. EASTERDAY

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OBJECTIVE

Leadership role in machinery design, facility engineering or technical support utilizing strong combination of mechanical, hydraulic, electrical and motion control system skills.

CAREER SUMMARY

- Results driven, versatile and creative engineering professional with well developed problem solving skills in diverse machine design and product development functions.
- Project responsibility from customer presentation through product development and production.
- Leader and participant in cross-functional and concurrent design teams.
- Proven track record in mechanism and machinery design, electrical and hydraulic positioning systems, PLC/CNC system integration and control logic development.

PROFESSIONAL EXPERIENCE

HOWMET TEMPCRAFT, Alcoa Power and Propulsion, Cleveland, Ohio 2001- Present
Manufacturer of machinery, tooling and patterns for the investment casting industry worldwide.

Senior Design Engineer, Machinery Business Center
Design, oversee construction and test wax and ceramic injection molding machines for the investment casting industry in North America, Europe and Asia.

- Lead Engineer. Chair design review meetings. Mentor fellow engineers and shop personnel.
- Mechanical and hydraulic system design of machines with up to 300 tons of clamp force.
- Collaborate on electrical control system design.
- Teach hydraulic classes for engineering staff, machine builders and customers.
- Equipment standardization. Unified wax tank designs to reduce inventory by 71%.
- Risk analysis and abatement to CE and OSHA requirements.
- On-site machine startup and trouble shooting of mechanical, hydraulic and electrical systems.

NELSON STUD WELDING, INC., Elyria, Ohio 1972 - 2001
Division of TRW acquired by FabriSteel Products, Inc. in 2000
Multi-national manufacturer of specialty fasteners and electric welding equipment.

Senior Design Engineer, Product Development 1998 - 2001
Developed concept and design, acquired prototypes and tested automated machinery, automatic fastener feeding systems and welding equipment destined for global markets.

- Developed patented magazine-fed system to apply welded fasteners.
- Prepared and presented formal project status reports to company staff and customers.
- Designed modular cabinets and forced convection cooling for high current welding power units. Reduced cabinet cost approximately 25%.
- Implemented new rectifier bridge topology that reduced system cost and improved reliability.
- Performed mechanical design, servo control integration, operator interface design and software development for company's first standardized automatic stud welding system.
- Shortened lead times from 26-32 weeks to 1-2 weeks and reduced system cost 25% to 50%.

NELSON STUD WELDING, INC. – (continued)

Design Engineer, Automotive and Automated Engineering 1988 - 1998

Created proposals, performed mechanical and control system design, led project teams and composed operator manuals for custom built machinery used in automotive and industrial manufacturing plants. Supervised machine installation and startup both domestically and abroad.

- Delivered mechanical, programmable control and motion system designs for numerous machines to meet specific customer requirements. Composed operation and service manuals. Interfaced closely with sales staff and customers from initial concept through startup.
- Performed troubleshooting of mechanical, power electronics and sequence control systems both at assembly and during installation and runoff at customers' plants.

Designer, Design Engineering 1983 - 1988

Designed custom automated machinery. Developed pencil and CAD layouts. Prepared detail drawings. Performed shop floor and field troubleshooting of mechanical, pneumatic and electrical systems.

- Conducted in-house classes on machine control systems and control panel assembly.

EDUCATION

Cleveland State University, Cleveland, Ohio
Bachelor of Mechanical Engineering, Summa cum Laude.
Lorain County Community College, Elyria, Ohio
Associate of Science, Pre-Professional Engineering.

PROFESSIONAL DEVELOPMENT

Bosch Rexroth, Bethlehem, PA – *Pumps and Controls - Open Loop*
Bosch Rexroth, Bethlehem, PA – *Design Considerations for Hydraulic Systems*
Parker Hannifin Corp., Elyria, OH – *Hydraulic Component Sizing*
Humantech Workshop at Howmet Corp., LaPorte, IN - *Ergonomics for Engineers*
SkillPath Seminar - *Successful Project Management Skills*
Allen-Bradley Corp., Highland Heights, OH - *8400 MP* and *8400 PAL* (CNC)
Thermwood Corp., Dale, IN - *Cartesian 5 CNC Training School*

PATENTS

United States 6,163,005; 6,175,094; 6,176,662; 6,476,339
International WO 01/14095

PROFESSIONAL AFFILIATIONS

Tau Beta Pi National Engineering Honor Society
Engineer Intern (EIT), State of Ohio
FCC Licensed Two-way Radio Technician (GROL)

SKILLS

AutoCAD through release 2002.
Microsoft Word, Excel, Outlook and PowerPoint. Microsoft Project Manager.
Several programmable controller and positioning control languages.