

# WILLIAM C. EASTERDAY

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## CAREER SUMMARY

Results driven, versatile and creative engineering professional with well developed problem solving skills in diverse design, product development and facility engineering roles. Project responsibility from customer presentation through product development and production. Leader and participant in multidisciplinary design and product development teams.

### ENGINEERING EXPERTISE

Project Management  
Mechanism and Machinery Design  
Electrical and Hydraulic Positioning Systems  
PLC Control  
Technical Support and Troubleshooting

### COMPUTER SKILLS

AutoCAD through release 2007  
SolidWorks 2004  
Microsoft Word, Excel, Outlook and PowerPoint  
Microsoft Project Manager  
Oracle E-Business Suite procurement system  
DataStream MP2 work order system

## PROFESSIONAL EXPERIENCE

**ALCOA HOWMET**, Morristown, TN

**2008 – 2009**

Manufacturer of ceramic cores for the investment casting industry

### Senior Facility Engineer

Responsible for acquisition and installation of capital equipment. Provided technical support for production machinery and infrastructure equipment.

- Directed maintenance and contractor personnel.
- Planned capital equipment and maintenance projects to avoid disruptions to production.
- Organized contracted and in-house work to minimize costs by up to 50%.
- Participated in regular manufacturing status meetings with supervisors and management staff.
- Developed and taught industrial hydraulic classes for Facility Engineering and Maintenance personnel.
- Administered machine guarding and fire prevention programs.
- Managed installation of fall protection and fatality prevention systems.
- Ensured supplier and contractor compliance with site safety requirements.
- Acquired, configured, installed and supported multiple licensed two-way radio repeater systems.

**HOWMET TEMPCRAFT, Alcoa Power and Propulsion**, Cleveland, OH

**2001 – 2007**

Manufacturer of machinery, tooling and patterns for the investment casting industry worldwide

### Senior Design Engineer, Machinery Business Center

Designed and led construction and testing of wax and ceramic injection molding machines for the investment casting industry in North America, Europe and Asia.

- Lead Engineer. Chaired design review meetings. Mentored fellow engineers and shop personnel.
- Responsible for mechanical and hydraulic system designs.
- Collaborated on electrical control system design.
- Conducted hydraulic training for engineering staff, machine builders and customers.
- Standardized equipment designs that reduced wax holding tank inventory by 71%.
- Performed risk analysis and abatement to CE and OSHA requirements.
- Carried out on-site machine startups, customer training and troubleshooting of mechanical, hydraulic and electrical systems in the United States, Mexico and the Far East.

**NELSON STUD WELDING, INC.**, Elyria, OH

Former division of TRW; Manufacturer of specialty fasteners and electric welding equipment

**Senior Design Engineer**, Product Development

**1997 – 2001**

Developed concept and design, acquired prototypes and tested automated machinery, automatic fastener feeding systems and welding equipment destined for global markets.

- Developed patented system to apply welded fasteners.
- Implemented new rectifier bridge topology that reduced system cost and improved reliability.
- Performed mechanical design, servo control integration, operator interface design and control software development for standardized automatic stud welding system.
- Shortened lead times from 26-32 weeks to 1-2 weeks and reduced system cost 25% to 50%.

**Design Engineer**, Automotive and Automated Engineering

**1988 – 1997**

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, pneumatic, programmable control (PLC) and motion system designs.
- Performed troubleshooting of mechanical, power electronics and sequence control systems both at assembly and during installation and runoff at customers' plants.
- Customer presentations and technical support.
- Applied both existing and new designs to fulfill unique customer requirements.

**EDUCATION**

**Bachelor of Mechanical Engineering**, Cleveland State University, Cleveland, OH

Summa cum Laude

**Associate of Science**, Pre-Professional Engineering, Lorain County Community College, Elyria, OH

**PROFESSIONAL DEVELOPMENT**

TOSHA (Tennessee OSHA) Seminar – Combustible Dusts

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

**PUBLICATIONS**

"Auto Feed Stud Gun for Insulation Pins," Naval Surface Warfare Center, Caderock Div. Bethesda MD

**PROFESSIONAL AFFILIATIONS**

Tau Beta Pi National Engineering Honor Society

Engineer Intern (EIT)

FCC Licensed Two-way Radio Technician (GROL)