



Eric J. Rich

(Technical Operations)



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Professional Summary

A versatile technology professional with extensive experience in IT engineering, technology integration, and manufacturing. Demonstrated expertise in process optimization, continuous improvement, and technical innovation. Proficient in multiple programming languages, CAD systems, and equipped with a strong focus on efficiency and problem-solving.

Skills

- IT and Programming: Proficient in operating systems (Dos, Windows, Linux) and programming languages (Bash, HTML5, CSS, JavaScript). Experienced in technology integration and system optimization.
- CAD Systems: Advanced skills in CAD for precise fabrication and comprehensive documentation.
- Industrial Operations & Lean Manufacturing: Expert in process optimization and lean manufacturing principles.
- Automotive Diagnostics & Repair: Knowledgeable in electrical and mechanical automotive diagnostics and repair.
- Home/Building Maintenance: Skilled in various maintenance tasks, including electrical, plumbing, and general repairs.

Education and Certifications

- EZ-GUIDE Programming Class, DOOSAN (USA), 2019: Mastery in DOOSAN's EZ-GUIDE system.
- Ongoing LEAN Project, DVIRC, 2017-2018: Continuous project focused on process efficiency.
- Lean Level One Certification, DVIRC, 2014-2015: Comprehensive knowledge of lean concepts and tools.
- CNC Training Program, MCCC, 2009: Extensive training in CNC operations and programming.
- Drafting Tech. & Metal Tech., WCTS, 2001-2003: Skills in technical drawing and metalworking.
- General Academics, Upper Perkiomen High School, 1999-2001: Foundation in critical thinking and problem-solving.

Professional Experience

Engineering Consultant, ericjrich.com, 03/2020 - Present

- Specialize in computer repairs/upgrades, data recovery, and internet security.
- Network setup, custom script design, and establishing online presence.
- Media crafting and system migration with a focus on client confidentiality.

CNC Setup / Programmer, Private Company, 06/2017 - 03/2020

- Managed new and existing job processes, optimizing tool life and cycle times.
- Developed innovative macro templates for improved program efficiency.
- Experienced in precision aerospace parts, military-grade production and advanced agricultural technologies.

CNC Machinist, Globus Medical, 06/2015 - 06/2017

- Manufactured tight tolerance medical implants for the human spine, ensuring high-quality output.
- Conducted in-process inspections for quality control in a collaborative team environment.

CNC Machinist, Scientific Instrument Services, 06/2012 - 06/2015

- Manufactured tight tolerance scientific instruments, weapons parts, and medical parts
- Conducted in-process inspections for quality control in a collaborative team environment.
- Programming Automated Routines on OGP smartscope to aid in faster inspections

CNC Lathe Operator/Setup/Program & Asphere Generation, Edmund Optics Inc., 06/2008 - 06/2012

- Operated multi-axis machining centers for US MILITARY night vision goggles.
- Expertise in aspheric lens production, glass grinding, and advanced metrology.

CNC Operator/Setup/Programmer, Mgp LLC (an SGL CARBON GROUP company), 06/2006 - 06/2008

- Operation, setup, and programming of 2-Axis FANUC Lathes for high-quality component production for Aerospace and big companies like General Electric.

Maintenance Technician, Hamburg Manufacturing, 06/2005 - 06/2006

- Retrofitting and upgrading molding machinery for enhanced functionality and compatibility.

CNC Lathe Operator, H. Shoemaker Welding and Machine Shop Inc., 06/2004 - 06/2005

- Operation and programming of 2-Axis FANUC Lathes, specializing in precision aerospace products.

CNC Lathe Operator Swiss: Star & Citizen, Micro-Coax Inc., 06/2003 - 06/2004

- Operation and adjustment of Citizen Swiss Lathes, focusing on high-end coaxial cable connector production.

During High School

- Early industry experience in cylindrical grinders and pneumatic cylinder setup for die formation.