

Resume of Michael C Castle
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Objective:

Position utilizing my skills and experience in industrial/factory automation and/or maintenance.

Summary and Skills:

- Most PLC and HMI packages, including Allen-Bradley, Modicon, GE-Fanuc, and Texas Instruments.
- Experience with DC, AC, and servo motor controls and drives.
- Software: Windows, Linux, and MSDos. Microsoft SQL Server, Office, and Visual Studio.
- Experience 802.3, 802.4, 802.11 networks and TCP/IP networking.
- Hardware: Working knowledge analog and digital electronics, pneumatics, and hydraulics.
- Languages: MS Visual Studio (VC and VB), GCC (ANSI C), Pascal, Fortran, and assembly languages.

Experience:

2005–Present , Owner, Castle Engineering Services, LLC- Cleveland, OH

- Factory automation: PLC, HMI, software and hardware design.
- Aircraft test equipment: software and hardware design.
- System design, consulting, and start-up services.
- DUNS 621291785, CAGE/NCAGE 4BN09, NAICS 541512
- CCR and SBA registered.
- Sample HMI screens at http://ces-eng.net/Projects/hmi_screens.html

1998-2005, Field Service Engineer/Design Engineer, Avtron Manufacturing- Cleveland, OH

- PLC and HMI development, coding, and system start-up for steel, paper, mining, and specialty industries.
- Implemented motor drive calibration and configuration data for DC and AC variable speed drives including speed, tension, load-share sections, and special applications.
- Developed the Performance View©, data acquisition system (http://www.avtron.com/performance_view.htm). This system incorporates 2 computers using a custom Linux kernel with custom C device drivers to collect data and act as a server to a Windows© machine which runs a custom C/VB GUI application for viewing and manipulation of data.
- Developed several factory process tracking and logging systems using most common HMI systems with interfaces to Microsoft SQL Server©.

1996-1998, Lead Electrical Maintenance Technician, Easco Aluminum- Dolton, IL

- Performed all plant wide PLC and HMI maintenance, trouble-shooting and up-grades.
- Reduced extrusion press "dead-time" (time spent resetting and reloading for next cycle) cycle by 65%.
- Added tracking, measurement, and quality control instrumentation to the Wagstaff© continuous caster.

1995-1996, Field Service Technician, Youngstown Electrical Service- Youngstown, OH

- Performed upgrades of industrial customer hardware and software.
- PLC and HMI programming.
- Control system trouble shooting and maintenance.
- Electric motor and motor drive repair and troubleshooting.

1992-1995, Head Of Maintenance, SSC Baking Co (DBA Pesce Bakery)- Youngstown, OH

- Performed in-house maintenance for a 1M+ commercial bakery.
- Tended 2 low-pressure steam boilers.
- Managed maintenance purchasing and outside contractors.

1979-1989, Test Systems Programmer, Texas Instruments Inc- Dallas, TX

- Part of the METS (Modular Electronic Test Set) development team. Wrote instrument device drivers and machine interface code for ATLAS-990 (A Test Language for All Systems) in Pascal and TMS990 assembly code.
- Designed and implemented a kernel style Bios for the TMS9900 series of microprocessors.
- Wrote and documented PCB component-level automatic test programs to MIL-Specs.
- Wrote in-circuit test programs for Fairchild Fault-Finder.

Education:

University of Texas at Dallas- Dallas, TX

- Completed 32 upper level semester hours of course work towards a BSCS.
- Concentrated on real-time systems and operating system design.
- 3.33 GPA

Hocking Technical College- Nelsonville, OH

- AAS/EET, graduated with high honors.
- 3.86 GPA

Personal Data:

- Marital Status: Single
- Health: Good
- Relocation: Acceptable, depending on location
- Travel: OK
- Salary Requirements: Negotiable
- References: Available upon request.
- Website: <http://ces-eng.net/>