



***Frank D. Ferris  
204 Third St. VCL.  
Jackson, MI 49203***

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Personal Website: [frankferris.com](http://frankferris.com)**

**Dear Sir:**

I have in excess of fifteen years work experience in **Industrial Control Systems Development** -- utilizing Programmable Controllers, CNC Controls and Component Level Electronic Design. My educational background and work experience cover such areas as Hydraulics, Pneumatics, Computer Interfacing, Computer Programming, Microprocessor Based Circuit Design, Induction Heating and Laser Welding.

In addition to my 15+ years of on-the-job experience in industrial controls, I also have an intimate knowledge of office PC's (Hardware, software, installation and setup of option cards, Disk drives, memory modules, motherboards, etc.), once worked as a service technician (servicing TV's, Stereos, and Personal computers), and as a member of the **Corporate IT** ("Information Technology") department for Visteon automotive in Dearborn, MI. All this, in addition to a **BS Degree** from Michigan Technological University, where I majored in **Computer Engineering** (Programming, fundamentals, and Circuit Design).

If you think you may have a use for someone with this kind of background or think you may know someone else who does, then I would very much like to hear from you. I may be reached at (517) 796-2748. If I am not available to answer the phone, please leave a message on my answering machine and I will get back with you as soon as possible.

Yours Truly,

A handwritten signature in black ink that reads "Frank D. Ferris". The signature is written in a cursive, slightly slanted style.

Frank D. Ferris



# Resume

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## Occupational Overview (1985 to Present)

### 2000 to present:

Engineer for Hire.  
Business Owner / Operator.  
Web-Master.  
Ebay Sales.

### 1985 to 2000:

Electrical Engineer -- Industrial Control Systems.

Typical Responsibilities include:

1. Evaluation of Control System Hardware Requirements.
2. Design of Fluid Control Systems (Hydraulic, Pneumatic, etc.) as required.
3. Design of Electrical Circuitry.
4. Design of Control System Software, if required.
5. Assist in Final Debugging of Control Systems as required.
6. Development of all Related Documentation (Finished Drawings, Manuals, etc.)  
if required -- or assist Detailers, Technical Writers, etc. to do same.
7. Providing Ongoing Technical Support if needed.

### I have done work on behalf of the following companies since 1985 (among others):

Aero Detroit Corp., American Axle and Manufacturing , Bock Inc., Cadre Corp., Cargill Detroit Corp., Cami Automotive, Chrysler Corporation, Commerce Controls Corp., Contract Professionals, Detroit Center Tool (DCT), Dominion Tool and Die, Dynamic Corporate Resources, Ford Motor Company, General motors, Harry Major Conveyor Co., Hegenscheidt Corp., Perrot Systems, Rapid Design Service, Howmet Corp., IE&E Technical Services, Ingersal Rand, J.I.C. Electric Inc., JS controls, Lincoln Technical Service, Modern Computer Corp., Motor Wheel Corp., Nagel Precision Inc., Novi Precision Products, Paslin Corp., Pratt and Whitney, Rapid Design Service, Raycon Corporation, Rolls Royce, Jackson Street Car-Wash, St. Marys Cement Corp., Stegner Electric Corp., The Rassy Corp., Trebnef Engineering Consultants Inc., Visteon Automotive, Western Wheel.

### I am proficient in the use of these and other PC software applications:

Autocad (for panel layouts and hardware drawings), Modsoft, Taylor, I-Com, Updoc, and Rockwell (Allen Bradley) 6200 Series software (for programming PLC's), Windows 98, Microsoft word, Excel, Power Point, Outlook, and Web-Page Development Software (includes Microsoft Front Page, HTML, CGI, and Perl).

## **I am also proficient in the following non-PC specific software applications:**

Cadcam (Computer Aided Drafting Application), Basic, FORTRAN, Pascal, ASCII, PLC ladder logic, configuration protocols, etc.

## **Work Experience -- prior to 1985**

1983 to 1985 - Ran a home based **Electronics Maintenance and Resale business.**

1979 to 1983 - Dabbled in **T.V. Repair** and Odd Jobs when not at School.

1978 to 1979 - **Engineering Dept. Aide**

Kelsey-Hayes Co.  
Jackson, MI

1976 to 1978 - **Service Shop Technician**

Chapa T.V. Service  
Jackson, MI

## **Special Merits and Skills:**

1. Ability to perform component level circuit design for special applications.
2. Strong mechanical aptitude.
3. Able to take a project from concept to completion, with little or no supervision.

## **Educational Background**

1979 to 1983: **Michigan Technological University -- Houghton, MI**  
Majored in "Computer Engineering" Curriculum. Studies include Digital and Analog Electronics, Computer Programming, and Microprocessor Based Circuit Design.

1975 to 1977: **Jackson Community College -- Jackson, MI**

1972 to 1975: **Jackson High School -- Jackson, MI**

## **Hobbies, Honors and Accomplishments**

**Electronics, Computers, Business, and Investing.**  
Earned **Electronics Dept. Honor Award** in High School.  
Passed NCEES Exams (EIT/FE and PE) for Professional Engineers License.  
**PE license pending.**

*Thank You for your consideration,*  
**Frank D. Ferris**