

Frank Palazzolo

Email: palazzol@home.com

Education: *(Present)*
Currently pursuing **M.S. in Electrical Engineering**
Oakland University, Rochester, MI

(9/86-5/90)
B.S. in Electrical Engineering with emphasis on **Computer Engineering**
Michigan State University, East Lansing, MI (Member M.S.U. Honors College)
General Motors Scholarship, National Merit Scholarship

Employment Experience: *(12/93-Present)*
Altair Engineering and Computing, Inc.
Engineering Manager of Electrical Engineering
Currently responsible for management of group of engineers/programmers doing Mechatronic Simulation, Custom & Product Software development, and Embedded Systems development. Prior experience with Altair includes **Engineering Manager**, **Senior Project Engineer** and **Project Engineer** roles. Many were engineering-based C/C++ programming activities, in MS Windows & various UNIX environments. Many required engineering expertise, as well as programming proficiency. These include Data Acquisition/Control, Statistical Analysis, Vehicle and Embedded Systems knowledge.

(9/92-12/93)
Delco Electronics Corporation - GM - Milford, MI
Anti-Lock Braking Systems Group
Responsible for development of all self-diagnostic and communication software for a production ABS/Traction system.

(6/90-9/92)
Delco Electronics Corporation - GM - Kokomo, IN
Advanced Development, Communication Systems Group
Responsible for short-range RF link hardware/software development, microcontroller implementations, communications protocol development, security encryption and authentication. Also involved with vehicle-roadside communication systems, equipment procurement, and computer network administration.
Also, 3 Patent Applications, 1 U.S. Patent granted (#5566212)

(6/89-9/89)
Designed and developed digital portion of FM subcarrier receiver

(6/88-9/88)
Developed microcontroller software for vehicle electronic instrumentation system

Electronics & Computer Skills: **Operation Systems/Environments**
MS Windows, (Visual C++/MFC/OWL), DOS, UNIX (many), TCP/IP Networking
Hardware
PC/UNIX Workstations, Many microprocessors and microcontrollers (68HC11, 68HC05, 680X0, Z80, 6502, TI TMS370, National COP8720)
Experience with Motorola and TI DSP's (56K and TMS320 series)
Programming Languages:
C/C++, Assembly languages for above processors, PASCAL, FORTRAN, BASIC
Other:
Digital Circuit Design, PCB Design/Layout/Fabrication/Debugging, PAL Programming, Reverse-Engineering and Emulation of Microprocessor Systems