

Tel: (706)-733-8942  
Fax: (360)-838-0372  
[sully9@iname.com](mailto:sully9@iname.com)

<b>Objective</b>	To develop software that delivers performance, rich features and ease of use.		
<b>Target Job</b>	Software Developer (application or embedded) in a professional but casual work environment with focus on quality results.		
<b>Target Location</b>	Interested in opportunities in the Augusta, GA area or telecommuting with occasional travel.		
<b>Technical Skills</b>	<ul style="list-style-type: none"> <li>• <b>Programming:</b> C/C++, Assembly (Intel x86, Motorola 68HC11 &amp; CPU32, MCS6510/6502), Visual Basic/VBA, HTML, JavaScript, Pascal, Ada, Java.</li> <li>• <b>Protocols/Hardware:</b> MDB, DEX/UCS, TIA/EIA-232, TIA/EIA-422, CRC-16, CRC-32, Logic Analyzer, Protocol Analyzer, EMP-20, principles of vital software</li> <li>• <b>Software:</b> Borland Builder, Visual C++, MultiEdit, SoftICE, IDA, W32Dasm, XRAY, EMP-20, MS Office, Visio, MATLAB, SPICE, Altera MAX+PLUS II, Microstation</li> <li>• <b>Operating Systems:</b> MS-DOS, Win9x, WinNT, UNIX, Macintosh</li> </ul>		
<b>Career Skills</b>	<ul style="list-style-type: none"> <li>• Work well in both independent and group environments.</li> <li>• Capable of working with non-technical individuals (customers, sales, management) to identify and solve problems or needs.</li> <li>• Focused on producing high-quality results in a time- and work-efficient manner.</li> </ul>		
<b>Professional Experience</b>	Oct 2000 – Present	Dixie-Narco, Inc	Williston, SC
	<b>Software/Electrical Engineer</b>		
	<ul style="list-style-type: none"> <li>• Develop and optimize embedded software (C, Assembly) in vending machines for deployment into both traditional and new market segments. Implement functionality to support internet auditing and monitoring hardware.</li> <li>• Interface directly with sales department to address customer requests.</li> <li>• Additional Contributions: Created customized software configurations for service department field-refurb activities; Led effort to implement software development and documentation procedures in electronics group.</li> </ul>		
	Jan 1998 - Oct 2000	ALSTOM Signaling	Rochester, NY
	(Telecommuted from Albany, NY from Aug 1999 – Oct 2000)		
	<b>Design Engineer, Technical Lead</b>		
	<ul style="list-style-type: none"> <li>• Served as Technical Lead of 2 subsystems during design and testing phases of a train control system. Wrote subsystem requirements and design documents, managed internal sub-contractors, and directed group design and test activities. Performed functional subsystems demonstration for customers.</li> <li>• Developed tools (using C++ and Borland Builder) to support system development, testing, system performance, system metrics, datalogging and provided user interfaces to system functions.</li> <li>• Designed, coded (in C, Assembly) and debugged (using XRAY and VisionICE) embedded software components for train control systems.</li> <li>• Performed functional system testing in both lab and field environments.</li> </ul>		

- Worked with formal procedures implemented to support ISO 9000 compliance.
- Additional contributions: Provided tool customizations to development group to streamline procedures; Reverse engineered and modified obsolete software products in the absence of original development documentation and source code (using W32Dasm and SoftICE); Assisted IT department in providing computer and network support to the project group.

Fall 1997                                      General Railway Signal                                      Rochester, NY

**Co-op**

- Error tested in-house developed Computer-Aided Application tool.
- Wrote online documentation (using ForeHelp) for CAA software.

Fall 1996                                      University of Rochester                                      Rochester, NY

**Electrical Engineering Department Teaching Assistant**

- Assisted approximately 20 students in a Computer Architecture course though office hours, lab sessions and individual meetings.

Seasonal 1989-1997                                      Pool Vac Plus                                      Hudson, NY

**Service Person, Owner**

- Responsible for servicing 50 swimming pools weekly, performed bookkeeping and invoicing activities.
- Developed troubleshooting, management and client relation skills.
- Work financed college education.

**Education**

1992-1998                                      University of Rochester                                      Rochester, NY

- B.S., Electrical Engineering.
- Xerox Scholarship, Dean's list.
- Coursework with an emphasis on Computer Architecture.
- Course projects involved: microprocessor architecture, design and implementation of central processing unit and instruction set; logic design; microprocessors and data acquisition and conversion; cryptography and computer network security