

PATRICK ANDREW SWEENEY

Patrick Sweeney
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OBJECTIVE: To work as an Embedded Systems Engineer, Firmware Engineer, Computer Hardware Engineer, or Engineering Programmer. Looking to bring new products to market in an innovative manner.

EXPERIENCE: 6/2002 - Present Magnatech Limited Partnership East Granby, CT
Senior Software Engineer / Firmware Engineer

Programmed 8-bit embedded controls and processors in motion control and control systems. Performed full software development from bare hardware to finished shipping product. Designed and implemented all software on product, including firmware, OS, and user interface. Use of C programming as primary language. Also worked with Windows CE for user interface work.

1/2000 - 6/2002 The Torrington Company Torrington, CT
Computer Programmer

C Programmer for Pro/Engineer CAD add-on tools. Worked with Mechanical Engineers to design tool software from scratch.

5/1998 - 9/1998 Waring Products New Hartford, CT
MIS Staff member

Desktop support, hard copy distribution, mainframe sysop, internal software development

EDUCATION: Graduated 12/2001 Rensselaer Polytechnic Institute Troy, NY
Bachelor's Degree
Electrical Engineering and Computer Systems Engineering Dual Degree
Extensive coverage of analog and digital systems, microprocessors, and programming.

Graduated 6/1997 Oliver Wolcott Technical School Torrington, CT
Vocational
Electronics Technician training. Covers analog and digital circuits, design and troubleshooting. Extracurricular microprocessor training with State of CT instructor (1995-1997)

SKILLS:	Skill Name	Skill Level	Last Used/Experience
	Rabbit 3000 8-bit MPU with Dynamic C environment	Expert	Currently used/4 years
	C Programming Language	Intermediate	Currently used/9 years
	PERL	Intermediate	Currently used/6 years
	Microprocessor interfacing and usage	Intermediate	Currently used/9 years
	Microprocessor firmware programming	Intermediate	Currently used/9 years
	Advanced computer usage skills and knowledge	Expert	Currently used/15 years
	Computer Assembly and debugging	Expert	Currently used/15 years
	Analog Electronic circuits design and debugging	Intermediate	Currently used/12 years
	Digital Electronic circuits design and debugging	Intermediate	Currently used/12 years
	Computer Networking	Beginner	Currently used/9 years
	Embedded Visual C++ for Windows CE	Intermediate	Currently used/4 years

ADDITIONAL INFORMATION:

- Rensselaer Medal award for math and science excellence
- Deans list, final 4 semesters of Engineering School
- Early portions of experience result of mentoring and tutoring programs through high school and college before degree completion.