

Peter Tyser

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Objective A full-time computer engineering position in embedded systems beginning in August, 2005.

Education **University of Wisconsin – Madison**
B.S. Computer Engineering – Embedded Systems focus, expected May, 2005.
GPA: 3.46/4.0
Computer Languages: C, C++, Assembly(PPC, MIPS, x86), Perl, Python, PHP, Java, Visual Basic, Pascal.
Design Tools Used: Xilinx Foundation, Mentor Graphics Suite, PADS PowerLogic/PowerPCB, GNU toolchain, ModelSim, Design Vision, Tornado.
Relevant Coursework: Microprocessor System Design, Digital Logic Design, Electronic Circuit Analysis, Introduction to Computer Architecture, Verilog/VHDL Synthesis, two independent studies, community service-based class.

Experience **Extreme Engineering Solutions, Madison, WI**
Computer Engineering Co-op, Fall 2003 - Present
Worked primarily with embedded Linux on PPC and MIPS ProcessorPMC and CompactPCI single board computers. Added networking capabilities (DHCP/TFTP) to a proprietary bootloader, built x86-PPC cross-platform Linux development environment, ported Linux to a variety of PPC and MIPS-based single board computers, wrote Linux and vxWorks device drivers. Wrote customer installation manual for Linux. Required independence, good communication skills, understanding of software/hardware interaction, thorough understanding of networking protocols, strong software development skills. Cooped for 8 months during fall and summer of 2003, part-time since.

Materials Research Group, UW-Madison, Madison, WI
Network Administrator, Spring 2000 - Present
Responsibilities included maintaining servers as well as end user support. Skills include working with Apache, Microsoft IIS, Samba, Sendmail, and other standard web/email/file server applications. Proficient in all Windows' OSES as well as Linux and Macintosh. Position required wide array of technical knowledge as well the ability to work and communicate well with others.

Self Employed, La Crosse, WI
Computer Technician, Network Administrator, 1998-2000
Built custom computers with parts purchased online. Repaired, upgraded personal computers. Set up networks for local businesses/residences. Created a web-based front-end to a Filemaker Pro database for the School District of LaCrosse. Developed strong organizational, interpersonal, and financial skills.

Honors National Merit Finalist, All-State Scholar, High School Valedictorian, 1st place Individual Award – University of Wisconsin 2005 Engineering Expo for Motion-Based iPod Remote Control.