

David R. Ernst

618 W. Howe St.
Bloomington, IN 47403-2231

(812) 345-2813
david.ernst@davidernst.net

Professional Experience

Independent Consultant Sept. 2006 – Present “Internet-minded software development”	<ul style="list-style-type: none">◆ Work with clients to create dynamic web sites. Mostly MySQL with interfaces written in perl and Ruby on Rails.◆ Build web interfaces for tasks such as account creation/maintenance, mailing lists, institutional telephone deployment.◆ Automate tasks not requiring human intervention.
Executive Director HoosierNet, Inc. Oct. 1997 – Sep. 2006	<ul style="list-style-type: none">◆ Systems administrator, network administrator, and chief professional officer for non-profit community network. Responsible for all aspects of providing Internet service to paying members, including dial-up, T1, DSL and others.◆ Maintained routers and networking equipment (Cisco, 3Com, Lucent, etc.)◆ Maintained servers (RedHat Linux) for user authentication, web hosting (Apache), email services (Sendmail), DNS (Bind), Usenet news, etc.◆ Wrote programs to automate system tasks (perl, bash, ruby) and to create dynamic web sites for HoosierNet and for customers (perl, MySQL, php).◆ Managed team of five additional staff people – tech support, finance, marketing.◆ Reported to and otherwise worked with volunteer Board of Directors.◆ Point person for transition and public relations when the company dissolved.
Network Coordinator United Way of Monroe Co. Sept. 1995 – Oct. 1998	<ul style="list-style-type: none">◆ Principle staff for three year project implementing TCP/IP networking in community social service agencies.◆ Training and technical support for many non-experts (Windows & MacOS)◆ Linux System Administration including Apache, Perl and mSQL.◆ Managed project with Director and volunteers, inc. budgeting and purchasing
Computer Support IU School of Music June 1994 – Sept. 1995	<ul style="list-style-type: none">◆ Provided extensive computer support to faculty, staff, and students◆ Installation of wide variety of hardware and software◆ Offered trainings for all classes of users◆ Jointly responsible for maintenance of 8 station computer lab
Assistant Instructor IU Dept. of Music Theory Aug. 1992 – Aug. 1994	<ul style="list-style-type: none">◆ Developed multimedia software for use in teaching music theory: Turbo Pascal and Toolbook, some Visual Basic, Visual C++, and Borland Delphi.◆ Taught music theory courses required for all School of Music undergraduates. Duties included lecturing, lesson planning, course design, and grading.

Education

Master of Music Indiana University School of Music Department of Music Theory Degree awarded Aug. 1994. GPA: 3.93	Bachelor of Arts Case Western Reserve University Majors in Mathematics and Music Theory Graduated <i>summa cum laude</i> with honors in music Elected to Phi Beta Kappa National Honors Society
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Other Experience

Volunteer member of committees of at local chapters of United Way and American Red Cross (2001-present)
Board of Directors of Bloomington Old Time Music and Dance Group (1995-2002, 2005-present)
Vice President of the Indiana University School of Music Graduate Theory Association (1993-1994)
Radio Programmer and co-editor of program guide, WRUW-FM Cleveland (1989-1992)