Kevin Ziemer

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EDUCATION

University of Michigan – College of Engineering Ann Arbor, Michigan
Bachelor of Science, Electrical Engineering (December, 2002)
GPA: 3.2/4.0

Relevant Courses: Digital Signal Processing, Embedded DSP Design, Control System Analysis & Design, Embedded Controls, Digital Communications, Signals & Systems, Probability and Random Processes, Technical Communications, Digital Logic Design, Principles of Semiconductors, Advanced Electrical Circuits, Static & Dynamic Electromagnetics, Total Quality Management, Introduction to Electronic Music

Design Experience: **Audio Effects Processor:** This was a group design project. We designed an audio effects processor utilizing a Motorola DSP56303EVM board. The project included weekly status reports, research, MatLab coding/simulations, assembly coding, and a final presentation and report.
Four Stage BJT Amplifier: This was a two-person design project of a 4-stage audio amplifier involving hand calculations, ACCUSIM simulations, a hand-built circuit, and a final report.

EXPERIENCE

While seeking a permanent full-time engineering position following graduation, I was employed in the following interim jobs:

Digital Systems Group; Kalamazoo, Michigan June 2004 – Present
- Developed Perl applications using HTML, CGI, SQL, and Oracle

University of Michigan Medical School; Ann Arbor, Michigan February 2004 – June 2004
- Designed and wrote a suite of software programs in Matlab and Java to read and manipulate EEG, EMG, audio and time-stamp data
- Consulted on statistical methods of data analysis

Water Street Coffee Joint; Kalamazoo, Michigan June 2003 – September 2003

Boeing Commercial Airplanes Seattle, Washington
Embedded Systems Engineer Intern May 2002 – August 2002
- Developed and integrated test plan for the 737 Integrated Controls and Displays Unit
- Wrote flight scenarios to vary conditions and incorporate multiple modules
- Designed and wrote a CGI-based interface to query and sort a problem/change report database
- Presented on designing enhanced HTML utilizing CGI-Perl, JavaScript and Cookies as well as the differences and benefits of CGI, JavaScript, and Java

Kieser & Associates Kalamazoo, Michigan
Student Intern/Consultant May 1999 – Present
- Designed and implemented web-based database programs utilizing HTML, CGI-Perl, and SQL
- Designed web pages and custom Perl scripts
- Planned and implemented small office computer networking
- Installed a Unix-based operating system to utilize open-source satellite data analysis software and communicate with non-Unix-based machines on a local network
- Interpreted and manipulated field data

COMPUTER SKILLS

Applications:	Motorola Debug 56k, TI Code Composer Studio, Matlab, Simulink, Stateflow, Mentor Graphics, Vi
Languages:	Assembly, C, C++, HTML, Java, JavaScript, Matlab, Perl, SQL, UML
Platforms:	Motorola-MPC555, Motorola-56303 DSP, TI-5402 DSP
Environments:	Unix, Windows 9x/NT, MacOS, MS-DOS
Networking:	CAN, Unix, Windows 9x/NT/XP

INTERESTS

Actively participate in electronic music mixing, electronic music composition, mountain biking, hiking, skiing, snowboarding, disc golf, and racquetball.