

Robert Cothran

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- OBJECTIVE** To obtain a full time position in the field of Electrical Engineering.
- EDUCATION** **THE UNIVERSITY OF TEXAS AT DALLAS**, Richardson, TX
Bachelor of Science in Electrical Engineering, Overall GPA: 3.674
May 2006
- SKILLS** **Tools Used:** FPGA's, Microcontrollers, DSP's, DC Power Supply, Digital Multi-Meter, Oscilloscope, LCR Bridge
Languages: C, C++, Assembly, MATLAB, VHDL, Pascal
Software: OrCAD, PCAD, LabView, Xilinx, Code Composer, MS Office (Word, Excel, Powerpoint, Visio)
Operating Systems: UNIX, Microsoft Windows, MS-DOS
- WORK EXPERIENCE** **CYBER GROUP, INC.**, Dallas, TX
Embedded Systems Engineer
9/05 – Present
Part of a design team responsible for the hardware integration, firmware design, documentation and testing of embedded systems with applications ranging from data communication to industrial automation control. Involved in system development process from concept to specification, implementation, and verification.
- 11/98 – 9/05 **SAM'S CLUB**, Plano, TX
Sales Associate
Merchandising – designing layouts for merchandise and stocking
Customer Service – assisting customers in selecting products ranging from electronics to grills and furniture
Interviewing and training of associates
- RELATED PROJECTS** **3-Digit Signed Decimal (BCD) Adder/Subtractor**
Designed, implemented, and simulated the circuit using the **VHDL** hardware description language and **Xilinx** design tools.
- DTMF Transmitter and Receiver using DSP**
Developed a program in **MATLAB** that generates and decodes tones corresponding to the sequence of numbers dialed on a touchtone phone using a digital oscillator to generate the tones and a bank of digital resonators to decode them.
- LANGUAGES** Limited Spanish
- AVAILABILITY** Currently Available