

James D. Wilson

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OBJECTIVE:

To find an entry-level Electrical Engineering job that will further my knowledge and experience in this field.

EDUCATION:

The University of Texas at San Antonio
Bachelor of Science in Electrical Engineering
Minor in Mathematics

May 2010
Major GPA 3.5
Overall GPA 3.3

Lonestar College
General Studies

2005-2007
GPA 3.9

SKILLS:

- C/C++
- Java
- Python
- PHP
- Web Markup (HTML, Javascript, CSS)
- Web Servers (Apache, lighttpd)
- Databases (MySQL, PostgreSQL, SQL Server)
- Assembly (x86, Freescale)
- Visual Basic
- VHDL
- Verilog
- Matlab
- Simulink
- NI Labview
- Modelsim
- Cadence Encounter
- Magic VLSI
- Mobile Development (Android, iPhone)
- Microsoft Office
- Linux (Arch, Debian, Redhat)
- Windows (XP, Vista, 7)
- PSpice
- Cadence PCB Editor
- PCB Assembly

PROJECTS:

- Programmed Motorola microcontroller in assembly and C that interfaced with multiple inputs including a thermistor, light sensor, LEDs, a microphone, and speakers
- Designed and built audio filter and amplifier including PCB design assembly
- Created vending machine controller for VLSI using Verilog and Cadence Encounter
- Senior project is creating a table for disabled people that automatically adjusts to the user's movements
- Programmed Arduino Duemilanove to interface with IR sensors to control multiple DC motors and linear actuators for senior project
- Built websites using PHP, MySQL, and WordPress, including senior project site

AWARDS:

- Alpha Chi Membership
- IEEE Membership
- Phi Theta Kappa Membership
- Dean's List (UTSA)
- President's Honor Roll (Lonestar College)