Ivan Cordoba

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4937 W Krall St, Glendale, AZ 85301

Education

Bachelor of Science, Computer Engineering
University of Arizona, Tucson, AZ 85719
Anticipated Graduation - May 2017

Technical Skills

Experience with Data Analysis using Graph Theory as well as Linked Lists. Experience with Object-Oriented design. Experience using micro-controllers. Experience with FPGA's. Some experience with Android development. Basic knowledge of HTML, and CSS. Extensive experience working in a lab designing, building, and testing electronic circuits. Experience working with and designing circuits with OpAmps and Transistors. Experience using communication protocols such as I2C, SPI, and UART.

Programming - C/C++, Java, Verilog, MIPS Assembly Language, Git
Environments - Windows/Mac OS X, Xcode, Visual Studio, Xilinx ISE, Eclipse, Matlab, Android Studio, MPLabX
Lab Experience - Oscilloscope, Function Generator, Multimeter, Micro-controllers, Soldering, Wire Wrapping

Related Coursework

Computer Programming for Engineering Applications 1
Computer Programming for Engineering Applications 2
Digital Logic
Basic Circuits
Applications of Engineering Mathematics
Circuit Theory
Fundamentals of Computer Organization
Object-Oriented Software Design
Microprocessor Organization
Electronic Circuits
Introduction to Communications
Computational Techniques

Other Skills/Personal Achievements

- Designed and implemented a processor design with pipelining, forwarding, and hazard detection that runs assembly code. This was then synthesized onto an FPGA.
- Received an award for academic distinction from the College of Engineering at the University of Arizona
- Great leadership abilities: elected Student Government President in High School
- Spanish Speaker - Minimum Professional Proficiency