Sergio Morales

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Skills Programming	Experienced in: C, C++, Python, PowerShell, Java, HTML/CSS, JavaScript, Nodejs, MATLAB, VHDL/Verilog, Objective C.
Technical	Experienced with circuit prototyping with oscilloscopes, multi-meters, and function generators. Knowledgeable in hardware design with Altera and Xilinx FPGAs. Skilled in Embedded Systems with AVR microcontrollers. Fluent in Spanish and English.
Education June 2015, Expected	**University of California, Riverside** Bachelor of Science in Computer Engineering Overall GPA: 3.2/4.0 Major GPA: 3.5/4.0
Organizations Fall 2013 – Present	**Society of Hispanic Professional Engineers (SHPE at UCR)** *Webmaster/Internal Affairs* – Executive Board In charge of establishing and maintaining connections with any organizations/alumni within UCR. This includes organizing and managing events among the members.
Spring 2012 – Present	Member of **Leadership Council at UCR**, **Association of Computing Machinery (ACM),** and **Institute of Electrical and Electronics Engineers (IEEE)**
Projects Fall 2013 – Present	**Integrated Appliance System** Implemented microcontroller-based PID control system for a custom, solar-powered clothes dryer, water heater, and space heating combination. In charge of tracking energy savings and making the system safe and providing a user interface.
Summer 2014	**NES-FPGA Emulator** Worked in a team of five to implement a Nintendo Entertainment System emulator on an Altera Cyclone FPGA. Used Verilog, Nios II processor IP Cores, and 6502 CPU with Video processing backend done in C. Done using a Terasic DE2i-150 board.
Fall 2014	**UCR Chatline – An iOS Social Media App** Created an iOS phone app that allows users to group chat, video call, post statuses, and add users as friends. Worked in a team of four using Git, Parse API for backend, and Xcode 6.1.
Employment June 2013 – Present	**University of California, Riverside Extension** Department of Information Technology *IT Student Worker* Assist the Department of IT in helpdesk tickets, software automation through scripting, and hardware or software troubleshooting. Work with Windows PowerShell scripting.