Edgardo Lopez

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Objective
To work in the Computer Engineering Field, so that I may utilize my education and professional experience applying my skills and knowledge on the latest hardware and software products.

Education

Bachelor of Science in Computer Engineering | California State Polytechnic University, Pomona | March 2015

Technical Skills

Microsoft Word | Excel | PowerPoint | Adobe Photoshop | Affinity | Foxit PDF | Virtuoso (Program) | Xilinx | MATLAB | Microsoft Visual Studios | Oscilloscope

Academic Experience or Highlights

Virtuoso – Expert in creating a digital map of a circuit to function (ex. NMOS, PMOS, CMOS, etc.) as well as identifying safety hazards for the metal circuit to run the program (when constructing the digital map, it also needed to obey the rules and regulation that is implemented on the program.

Spartan 3E (Verilog) - Implement a program to run with the board to function objects through a circuit (such as counter and mathematical functions). By applying a code sequence in xilinx, I have made the program to run a specific command when it reaches a certain line. Applied it in the lab and gave a full report on how it worked.

Expert on reducing the input of gates and commands that are necessary for a program to work (ex.   Using K-maps to gather the necessary lines to decrease the cost of gates and metals being used).

Expert in reading a circuit map layout and constructing it in an electric board. Ability to either look at a circuit design on paper and build it or draw the constructed circuit on paper.

Senior Project (Senior Project Leader)
- Lead a team of eight engineers to construct an environmental control system to allow different plants to survive in an unfamiliar environment (project to help out biology students in the university)
- Responsible in monitoring the team of hardware/software engineers to ensure team cooperation is being applied
- Assisted in melding metal for the circuit
- Assisted in programming such as amount of light received, heat detected, and air present to allow the plant to survive (programmed in C++ and Java)
- Responsible in ensuring the report was received in high expectations on the progress and challenges met in the project

Project (Discord Bot)

- Constructed a bot for multiple users to interact on Discord. Used a Javascript program and executed a way for the bot to tell time, announce important events, and tell the date by applying a specific command in the chat box. Still developing in expanding the command.
- Self study with Skillshare to expand what was learned outside of school (such as modifying codes further with Xilinx programming)

Work Experience

Office Depot | Customer Representative/Printing Services | March 2020-Present
- Provide tech on computers and assist with troubleshooting technical issues.
- Operate computer, printers, and lamination machines and run programs including Foxit PDF, Affinity, and Excel
- Able to edit in Affinity (Photoshop) for better picture quality or meeting customer's expecations on a design

G Labs | Bug Tester | January 2015 to August 2015
- Examined multiple search engines such as Google Chrome, Firefox, and Microsoft Edge, to ensure that the program is running correctly on the development of "Sheeny".
- Tested "ChatApp" application for quality internet communication with business and clients on +2000 live lines by using different devices such as Android and Apple
- Analyze information on Dolphin on the images/text being sent from the program for the "ChatApp".
- Tested the User Interface for kids to avoid any fatal errors that happen in game on the "Mochi" app