

David Lo

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United States of America Citizen

Overall GPA: 3.07

Spring 2017 GPA: 3.481

Summary

Engineer looking to transition into the workforce to apply knowledge gain from the classroom while continuing to learn and improve my technique and communication skills to meet the requirements of projects I participate in.

Key Skills

- Probability Theory
- C++
- Java
- RobotC
- CMOS design of logic gates
- Circuit Analysis (Nodal/Mesh Analysis)
- Understanding of Pitch, Yaw, Roll
- Assembly Language
- Verilog
- Desire to Learn
- VHDL
- Bilingual - English, Cantonese
- Matlab
- Leadership

Programs/Equipment Used

- Xilinx Vivado (ZedBoard Zynq Evaluation and Development Kit)
- Synopsys Tools (Verilog - ASIC)
- Microsoft Visual Studios (C++)
- JGrasp (C++, Java)
- Tektronix Oscilloscopes
- Digital Multimeters
- Breadboards
- Integrated Circuits (ICs)
- Resistors, Capacitors, Inductors
- Keil uVision (UM10139)
- Inventor
- Notepad++
- RobotC for Vex
- Pspice
- Matlab

Education

(Graduation Summer 2017)

California State University - Northridge
Bachelor of Science: Computer Engineering

2015 - Present
Northridge, CA

Santa Monica College
College

2013 - 2015
Santa Monica, CA

Northwest Career and Technical Academy
High School

2009 - 2013
Las Vegas, NV

Projects

RISC-Y Processor (Verilog)

Utilizing a variety of modules created throughout the semester of Spring 2016, a RISC-Y processor was created as part of the final project for my "Digital Design with Verilog and SystemVerilog" course at California State University - Northridge.

Pulse Width Modulator

With only discrete parts, the circuit created with take in an analog voltage and convert it to a pulse width. The output ranges from 10 microseconds corresponding to 1 V to 1 microsecond corresponding to 10 V. This project was created as part of my senior project at California State University - Northridge.

Smiles and Leniency Engineering Experiment (Matlab)

A case study has been conducted in the past on how smiling can influence judgments a person who committed an act of wrongdoing. In the experiment, groups saw different types of smiles and gave a leniency score. Our professor assigned various data to each student based on our student identification number and our job was to create matlab code to take in the data and obtain statistical information and display the information in various graphs.

Crazy Poker (Java)

The purpose of this project is to create program that can take in command line arguments for the cards dealt to an unknown number of players, calculate the scores for each player, sort the scores, and output the player number in order from the highest scorer to the lowest scorer.

_____ Extracurricular _____

Leadership

Former Dance Coordinator for the International Student Forum Banquet

Founder and Team Manager of CSUN's Esports Club Hearthstone competitive team

Teamwork

Former member of dance team Off the Grid (OTG)

Violinist in the High School Orchestra at Northwest Career and Technical Academy