

Larissa Almendares

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EDUCATION

San Diego State University

August 2016 - May 2021

Bachelor of Science in Electrical Engineering, GPA 3.12
- *Minor in Sustainability*

Past Courses: Circuit Analysis I and II, Data Structures, Feedback Control Systems, Electromagnetic Waves, Embedded Systems Programming, Electrical Energy Conversions, Analysis and Design of Electronic Circuits, and Analog and Pulse Communication Systems

Engineering Projects

- + **Vertical Input Board:** Designed and assembled a printed circuit board that simulates the vertical scale system of an oscilloscope by adjusting an input signal through attenuation.
- + **Triple Output Power Supply:** Constructed a triple output power supply incorporating a 24VAC center-tapped transformer, capacitors, voltage regulators, and a full-wave bridge rectifier
- + **Spice Simulations:** Picked a diode that fulfilled given design requirements, which was then incorporated in various circuit topologies, in order to observe changes in peak current and output voltage.

SKILLS

Engineering:

- + MATLAB and C
- + Circuit Design utilizing LTspice and TINA-TI
- + Circuit Layout and Simulation using Multisim
- + CAD software using MicroStation
- + PCB Layout using KiCAD
- + Experience with soldering and lab equipments, such as oscilloscopes, multimeters, function generators

Professional:

- + Proficient at using Microsoft Word, PowerPoint, Excel, Visio, and Office 365
- + Effective verbal communicator with all levels of business
- + Highly organized and seeks out areas for improvement to increase efficiency

EXPERIENCE

Caltrans District 11, Old Town - *Electrical Design Intern*

October 2019 - Present

- + Working under close supervision of Transportation Electrical Engineers to meet project deadlines
- + Assisted in projects by creating plan sheets and diagrams, as well as doing modifications, using MicroStation
- + Performed quality assurance checks and research in using certain products given a set of conditions
- + Verified in field for conditions of pull boxes, equipment, and conduits

Hall of Justice Courthouse, Downtown - *Student Worker*

November 2018 - March 2020

- + Tasked with clerical work, such as filing, organizing, updating case documents, and retrieving supplies
- + Collaborated with leads and other student workers on small projects with transferring files