

# Electric L. Circuit

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**OBJECTIVE:** To obtain an entry-level Electrical Engineering position with Acme Aerospace Corp.

**EDUCATION:** Embry-Riddle Aeronautical University Daytona Beach, FL  
**Bachelor of Science in Electrical Engineering** May 2012  
Minor: Computer Science GPA 3.6/4.0

*Relevant courses:* Digital Integrated Circuits, Photovoltaics, A-C Power Systems, Electronic Properties of Materials, Digital Signal Processing, Modern Photonics, Neural Networks, Energy Analysis and Diagnostics

**PROJECT EXPERIENCE:** **Audio Controlled Light Show Preliminary Design Project**, Member of a 4 person team Designed, planned the production of, and built an Audio Controlled Light Show. The device would vary AC voltage to six separate outlets based on the energy content at six corresponding audible frequencies coming from a line level audio source.

**Quadra Helix Antenna**, Leader of a 3 person team  
Created a weather antenna that interpreted data sent from NOAA satellites; coordinated with group members to create the antenna. Transmitted the signal through an amplifier to a computer and translated to readable satellite images.

**Machine Vision Projects**, Individual project  
Wrote software using open source code in C++ to utilize streaming video from a web camera in real time to detect movement, compensate for movement, and control the cursor with movement, and detect facial features.

**WORK EXPERIENCE:** Avionica, Inc. Miami, FL  
**Electrical Engineering Internship** May 2011 - Aug. 2011

- Supported Wireless Network division, developing products and add-ons for digital radio and switching technology, including TDMA, CDMA, GSM, PCS, DCS and DCMA networks
- Tested new circuitry for ISO 9001 compliance
- Developed test pattern reference library for all R&D technicians accessible over the corporate Intranet
- Received Employee of the Month award twice—first intern ever to win the award

Embry-Riddle Aeronautical University Daytona Beach, FL  
**Department Assistant** Aug. 2010 - May 2011

- Modified catalog course descriptions to reflect full technical content of course offerings
- Assisted professors in test preparation and grading
- Filled in as lecturer for professors in Intro to Electrical Engineering class

**LEADERSHIP & ACTIVITIES:** Treasurer, IEEE Student Chapter, 2011-2012  
Eta Kappa Nu Electrical Engineering Honors Society, 2009-2012