

# Lucas Lawrence

I am a working professional looking to explore opportunities where I can grow as a professional and make a positive lasting impact on projects and others.

## EDUCATION

### University of California, Los Angeles B.S. of Electrical Engineering

September 2012 - June 2016

Cumulative GPA: 3.25

Clubs: IEEE, BruinRunners

## RELEVANT EXPERIENCE

### Canoga Perkins, Chatsworth – *Systems Integration Test Engineer*

July 2016 - Present

- Write, review, and provide feedback on test plans and test cases, as well as other product documents
- Execute functional, stress, and system level test cases and report bugs on Network Interfacing Devices according to Layer 2 Protocols, including Class of Service, Service Activation, and Network Performance.
- Automate regression test cases using Robot framework and Selenium IDE
- Write and edit scripts to output test cases, perform stress tests, and compare test case coverage to automation coverage

### Numatic Engineering, Sun Valley — *Intern*

June 2013 - September 2013

#### *Guitar Hero Demonstration*

- Worked alongside two other interns to create a device that autonomously played Guitar Hero
- Designed Framework using 80/20 aluminum, used Cognex Camera to process signal and PLC to control the system
- Achieved 90% accuracy on hard Difficulty

#### *Baxter the Robot*

- Coded innovative programs to highlight core features of Baxter
- Researched applications, strengths, and weaknesses for Rethink Robotics

## PROJECT EXPERIENCE

### Optical Character Recognition

April 2016 - June 2016

- Work with two other classmates on designing algorithm to detect and recognize optical characters on a scanned document
- Implement line thinning, segmentation, feature extraction, and machine learning effectively
- Achieved 99% accuracy for three different fonts at a rate of 6 characters/second

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## TECHNICAL SKILLS



Robot Framework

Java

C++

Test Planning



Python

JavaServer Pages

GIT

Network Interfacing  
Devices



HTML

CSS

SQL

DSP

## PROFESSIONAL AFFILIATION

### UCLA Eta Kappa Nu:

Electrical Engineering  
Honor Society

April 2014 - June 2016

### UCLA MentorSEAS:

Mentor four incoming  
freshman engineers to help  
acclimate to college life

October 2014 - June 2016

## HOBBIES AND INTERESTS

- Concerts
- Hiking
- Intramural Sports
- Machine Learning
- Automation