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Lucas Lawrence

RELEVANT EXPERIENCE

CANOGA PERKINS

SOFTWARE ENGINEER

MIAMI, FL | July 2018 – Present

- Development, Unit Test, and System Integration Test support for CPI-810 project to support logging services security and audit features, Token Sharing features and Token Sharing Test
- Implement CPI-810 user roles across all products

SYSTEMS INTEGRATION TEST ENGINEER

CHATSWORTH, CA | July 2016 – July 2018

- 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

PROJECT EXPERIENCE

Optical Character Recognition

- 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

Machine Learning

- Implement multilayer perceptron classifier and tested on different UCI datasets to analyze the effect of the number of hidden neurons on accuracy
- Design Bayesian Classifier and tested on different UCI datasets

LINKS

Github: [/lucasklawrence](#)
LinkedIn: [/lucasklawrence](#)

EDUCATION

University of California, Los Angeles

Electrical Engineering, B.S.
Spring 2016

University of Miami

Electrical and Computer
Engineering, M.S.
Spring 2020

SKILLS

Languages

Java, | Python | JSP | C++ |
MATLAB

Technologies

Shell \ Bash | GIT

COURSEWORK

Machine Learning
Artificial Intelligence
Pattern Recognition
Fundamentals of Network Science
Communication Networks
Computational Neuroscience

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