

Gregorio Flores

📍 Fort Worth, Texas, United States ✉ floresgreg469@gmail.com ☎ (830)469-9864 💼 www.linkedin.com/in/gregorioflores 🌐 <https://github.com/gregflores>

SUMMARY

Automated test applications engineer with a Electronic Systems Engineering Degree from Texas A&M. Focused on improving my Python skills. Highly motivated to move into a software development role.

SKILLS

Programming: Python, VB, Excel VBA, C, C++, Javascript, PHP

Web Development: HTML, CSS

Version Control: Git

Linux experience through Raspberry Pi and Beaglebone

EXPERIENCE

Board Test Application Engineer

SPEA

January 2018 – Present, Tyler, TX

Created a python script that parses a customer provided bill of materials, and creates a csv file that has the required fields to put into SPEA software.

Converted a customers traceability software from VB6 to 2019 VB.NET.

Implemented a customers traceability software, including rewrites of underlying systems in VB6, VBA, and C++.

Developed test programs for SPEA flying probe and bed of nails test equipment.

Provided application support for SPEA customers.

Taught training classes to customers on how to use SPEA software.

Semiconductor Test Application Engineer

SPEA

June 2017 – January 2018, Tyler, TX

Designed test fixtures using Mentor and developed test programs in C++ for SPEA semiconductor test equipment. Trained for 3 months in Italy at SPEA HQ.

ESET 369 Embedded Systems Lab Teaching Assistant

Texas A&M University

August 2016 – May 2017, College Station, TX

Assisted in teaching the ESET 369 labs. This lab was designed to teach students how to use C to program microcontrollers, including the TI MSP430 and MSP432.

ESET 349 Microcontroller Architecture Lab Teaching Assistant

Texas A&M University

January 2016 – August 2016, College Station, TX

Assisted in teaching the ESET 349 labs. These labs consisted of learning how to program in C. I was the point of contact for all students in the class regarding questions over homework and lab assignments.

PROJECTS

POWR – Capstone Design Project : <https://github.com/gregflores/POWR>

Served as the Lead Software Engineer on a Senior Design project.

GIRAF Tech developed a product for Megahertz Technology, a push to talk radio company in Dallas, TX.

I created a python web server that hosted a website. The website displayed information that was requested a repeater monitor we designed. The repeater was created using a MSP432 with the embedded software written in C.

Mobile Game Botting Script : <https://github.com/gregflores/MCOCScript>

In order to learn about opencv, I created a botting script for a mobile game. The program is created using python and opencv to determine the current state of the game. The script then performs the relevant task for the current state of the game. There is a small GUI created using tkinter to show the current state of the game, and the amount of cycles the program has gone through. Code located on my github.

EDUCATION

Bachelors of Science in Electronic Systems Engineering Technology

Texas A&M University • College Station, TX • 2017

CERTIFICATES

Google Crash Course on Python

Coursera • Python Development

First course in the IT Automation Certificate. Culminated in a word cloud creation project.