

Raul Perez

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(951) 816-9045

Education

- California State University San Marcos
- Bachelor's in Computer Science
- Graduation: May 2018

Technical Experience

- Proficient using Python, C++, C, Linux, Git.
- Experienced with thoroughly testing and validating software and hardware to meet a high standard of quality before its release to customer base.
- Proficient with creating clean, readable documentation for a variety of applications, such as new product releases or training references.
- Adept in handling computer hardware and software through the process of assembling and configuring several computers for both home users and business applications.
- Enjoy creating useful projects with raspberry pi devices during my free time.

Communication and Leadership

- Responsible for organizing various workshops to teach attendees useful skills. Topics include Introduction to Python, Creating a Website Portfolio, and Game development.
- Volunteered through Upward Bound and was appointed to lead a group of High School students in creating and programming their own robots using Arduinos.
- Tasked as team lead for project that was awarded Top Overall grand prize with a at CodeDay San Diego 2016. Project was Mobile Android application written in Java.

Relevant Undergraduate Classes

Mobile Programming:

- Development of cross platform applications for mobile devices including smart phones and tablets.
- Course taught using C# and Xamarin.Forms mobile technology.
- Operated under Test-Driven Development creating and meeting the requirements of given unit tests.
- Encouraged the use of a variety of public API's to collect data to be used within the app.

Work Experience

CalAmp - Test Engineer I (June 2018 – Current):

- Worked with a team to complete unit testing of various products as they advanced through development or received updates.
- Worked with proprietary scripting language unique to CalAmp Devices. Created dozens of custom scripts for various usages and worked on documentation and patches for legacy scripts.
- Assisted in creating and expanding a new Automated Test Environment. Created specifically for a new device architecture. Created using tools provided by Pytest python module
- Experience using JIRA to track new features, issues, and validation progress.
- Performed field tests with devices to verify functions and features both in the lab and in a real-world environment.
- Worked with several GPS related tools such as Qualcomm QXDM and Racelogic GPS simulator
- Carried out and analyzed data from several long-term tests, often spanning days or weeks
- Created various User Interfaces using tkinter Python module

Vice President of CSUSM Association for Computing Machinery (ACM) (2017 – 2018):

- Lead planning and execution of non-speaker related events, such as workshops or mixers with other clubs.
- Worked with a team of other officers to manage funds, scheduling and member correspondence.

The Master Musician - Sales Representative/Translator (July 2015 – August 2017):

- Developed several Python scripts to automate manual duties and reduce human error.