**Objective**

**1919 Coronet Ave,**

**Anaheim CA 92801**

**(Relocatable)**

**(626) 203-3073**

**https://terrygao88.github.io/MyProfolio/**

**Terry Gao**

**terrygao6@Gmail.com**

Software System engineer with a master’s engineering degree and 4 years of professional working experience. Having both Embedded Software and electrical engineering background. 3 years of software Testing and 1 year system integration experience. Having a proven ability to improve product quality by troubleshooting issues and finding solutions to complex problems within tight work schedules. Highly motivated self-starter with the ability to learn quickly and work in a group efficiently. Authorized to work without restriction and sponsorship.

**Technical Skills**

**Programming language** – Java, C, MYSQL, PowerShell, AutoIt, Batch, HTML/CSS, Python

**Operating System –** Ubuntu, Linux, Windows

**Character *–*** Organized, Responsible, Self**–**motivated, Hard-Working, Dependable,

Patient, Team Player, Proactive Problem Solver

**Language**: Fluent in Mandarin Chinese.

**Adept Engineering skills:** Product design, Project plan / Management, Validation Testing, Simulation

Inspection, Programming.

**Certificate**: Caltech’s Systems Engineering Fundamentals Certificate.

Caltech’s Model-Based Systems Engineering Certificate.

**Clearance:** Active Top-Secret Security Clearance

**Work Experience**

***Software Testing Engineer, Northrop Grumman – Redondo Beach, California Jun 2016 – present***

* Write PowerShell and AutoIT scripts for various automation tasks
* Write TestCompelete scripts and preform GUI testing to ensure quality standards.
* Develop, update, and run test procedures to evaluate software application base on customer requirements.
* Collaborate with customers in final software qualification test and identify defects with system engineers.
* Serve as a peer mentor, assist several mentees to settle in to the new jobs and climb the learning curve faster.
* Perform software integration testing and identified defect from the software interface.

***System Engineer – Integration and Testing, FMC Technologies – Irvine, California Jun 2015 – May 2016***

* Develop and redline test case and write automated test scripts for redundant control systems.
* Develop test plans for different proprietary control devices with Linux operating system.
* Preform system test and following sanity test plan for model evaluations

**Education**

**Master of Science in Computer Engineer Jun 2016**

California State Polytechnic University, Pomona, USA GPA: 3.7

**Bachelor of Science in Electrical Engineer Jun 2014**

University of California San Diego, San Diego, USA **GPA: 3.2**

**School Experience**

**Student Record System: Java FX Project**  ***Jun 2017 – Oct 2017***

* Design of an Student Record System with MYSQL database connection.
* Application UI design by using Intellij IDEA and screenbuilder.
* Implementation of various functionalities and writing maintainable code.

**Embedded System: Smart Umbrella System, Cal Poly Pomona** ***Apr 2015 – Jun 2015***

* Design of a smart umbrella system that blocking sunlight for handicapped people.
* Design of an Android application that able to communicate with the umbrella system by using Bluetooth modules.
* Implementation of Sun tracking system by using Arduino mega microcontroller.

**Embedded System: Home Sprinkler System, Cal Poly Pomona** ***Oct 2014 – Dec 2014***

* Design of a Home sprinkler system that able to automatically deliver water to home yards.
* Design of an Android application that able to wirelessly receive data and display them on an android phone.
* Implementation of smart sprinkler system by using Arduino IDE.