

SUMMARY

- Accomplished, fully qualified in many aspects of aircraft test, research and development. Over 10 years of hands-on experience, specialized training, solid judgment and all appropriate certifications in:
 - ♦Flight Line
 - ♦Fabrication & Assembly
 - ♦ESD
 - ♦Environmental Test Standards
 - ♦Quality Assurance (JIM)
 - ♦Test Conductor
 - ♦Troubleshooting & Repair
- Knowledge in/of system integration, test, software, hardware specifications. Proficient at :
 - ♦Test Stand Operations
 - ♦Test Report Creation
 - ♦Software Development Lifecycle
 - ♦Cable Assembly
 - ♦Soldering
 - ♦Agile Method
 - ♦Electrical Assembly
 - ♦ R&D/Manufacturing/Modification
- ♦ Java, C++, Python, PHP, Javascript, HTML5, CSS, JQuery, SQL, Android applications
- Stable, reliable, loyal, trustworthy and punctual. Cooperative team player that is also capable of working well independently to enhance quality and meet schedules. Highly motivated and hard working with positive, team-based attitude.
- Fast learner, able to develop new skills on the fly.
- Accustomed to ensuring strict conformance with design specifications, quality requirements and flight safety directives. Steady and decisive under pressure. Current **Secret Security Clearance**.
- Able to install, integrate, repair, modify, test, adjust, calibrate, service and overhaul all flight systems and structure to minimize downtime and maximize performance and quality, while verifying reliability and airworthiness.
- Proficient at comprehending blueprints, specifications, Mil-Specs, quality standards, maintenance manuals, repair dispositions, standard repairs, functional test procedures and service bulletins.
- Can anticipate and prevent anomalies which could affect mission capability, air/ground safety or turn-around schedule. Skilled at using Ground Support Equipment, test stands and PMEL measuring devices (micrometers, calipers, height gages, scales, etc.).

EXPERIENCE

NORTHROP GRUMMAN AEROSPACE SYSTEMS – (01/11/10 – Current)

Environmental Test, Rancho Bernardo, CA. – **Test Conductor 2/ Lab P.O.C** (Current **Secret security clearance**).

- Key player on team performing thermal, vibration, VSWR/insertion loss, testing major modification on avionics assemblies to prepare NGC programs for productions flight tests and customer acceptance and developing test plans and final test reports.
- Perform detailed testing to identify any manufacturing defects prior to moving into production status.
- Perform many management duties that keep test progress on a forward movement. Work with commercial customers to ensure testing is performed to all applicable standards/requirements. Trained technicians to perform complex tasks.
- Cooperate closely with program management, Q.A., test engineers, techs and specialists from all disciplines. Recognized as excellent, competent troubleshooter on software and hardware issues.
- Conduct and oversee pre/post-tests, test profile creation, final checkouts, test reporting. Integrate components to smooth checkouts. Ensure functional coordination with all systems, subsystems and structure.

MQ-8C, Point Mugu, CA – **Flight Test Operations (Secret security clearance)**.

- Conduct and oversee pre/post-flights, rigging, final checkouts, fueling and launch/recovery. Ensure functional coordination with all systems, subsystems and structure.
- Work with Engineering and Q.A. to identify and document non-conformances.

THE RIGHT CONNECTION SECURITY Inc. – (05/2006 – 07/2009)

System Installation/Integration, San Diego, CA. – **Systems Integration Specialist**

- Planned, managed and completed installation of custom home security and audio/video systems.
- Design overall unique wire routing and system/subsystem location for best results and least interference.
- Responsible for procuring new work/interfaces with current customers.
- Managed sub-contractors to ensure all necessary connections between products are made correctly.
- Performed troubleshooting to find/repair issues regarding integration with sub-contractors.

EDUCATION

ARIZONA STATE UNIVERSITY. – Bachelor of Science in Software Engineering – May 2017

- Studies include: Java, C++, PHP, Python, SQL, HTML5, Javascript, JQuery, CSS, Project management, Agile Method, Database Design, Mobile/Web

PROJECTS

SENIOR CAPSTONE PROJECT

- Team lead for senior project. Lead a 4 person team to designed an Android app for a major insurance provider allowing members to submit new business ideas, provide feedback on current ideas and create a social system for rating others ideas. Employees approve or reject submitted ideas and are also able to make ideas “sticky” providing greater visibility.

PERSONAL WEBSITE

- Currently working on building a personal website/portfolio. Visit cfroke.github.io to see current progress.