**ROBERT CAIRONE**

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**OBJECTIVE**

A position in quality assurance for software or systems test, involving test analysis, design, execution and documentation. Seeking a team environment with individual empowerment to contribute and grow, utilizing my development experiences in the testing role, while improving customer satisfaction and enhancing the company brand name.

**PROFESSIONAL SUMMARY**

Analytical, resourceful Software Engineer with high level experience in the design, development, and test of complex computer systems in a variety of application domains, utilizing cutting edge technologies and tools. A proven performer in technical development and test. Proficient in desktop applications as well as embedded systems with a GUI, often involving software hardware integration, using various process control methodologies. Experienced in Safety Critical systems and formal Regulatory environments.

Contributed software development and software/hardware testing efforts to the engineering and production of a variety of systems in diverse fields, ranging from early telecommunications networks, military radars systems, medical devices, and high end high speed electronic test equipment. This has required learning and using new technologies and practices specific to each industry while applying sound basic engineering principles. My skills and focus have continually adapted to the rapidly changing engineering environment, as the development languages, testing methods, and process controls have evolved. Have worked closely with Software Quality Assurance engineers in the normal course of development task completion, and have worked as and trained test engineers on numerous occasions.

**PROFESSIONAL EXPERIENCE**

**TERADYNE, Buffalo Grove, IL 2006 - 2015**

Manufacturer of a family of Advanced Automated Test Equipment, with revenue of $1.4 billion and 3,300 employees. Very high degree of hardware/software integration. Testing responsibilities included static testing (reviews and inspections), and verification of defect resolution by dynamic test application development and black box execution. Fully performed in the SQA role before significant releases.

**BAXTER HEALTHCARE, Round Lake, IL 1998 - 2006**

A $10 billion worldwide manufacturer and distributor of medical devices, pharmaceuticals and biotechnology, with over 47,000 employees worldwide. Testing responsibilities included complete path coverage testing of embedded software under FDA Good Documentation Practices utilizing an in house unit test framework which automated a traceability matrix. Also performed white box testing using an In Circuit Emulator.

**WILLIAMS GAMING SYSTEMS, Chicago, IL 1997 - 1998**

Major supplier of gaming systems to casinos in the US and foreign markets. Williams, valued at three-quarters of a billion dollars, provides a highly sophisticated gaming experience with exceptional graphics and data security. This was a research project for a next generation platform.

**NORTHROP GRUMMAN, Bethpage, NY and Rolling Meadows, IL 1985 – 1997**

Major Aerospace Defense Contractor, providing extremely sophisticated military hardware. Current market cap is $32 billion. Provided critical solutions primarily to the U.S. Navy during my tenure, specializing in avionics and radar systems. Performed Subsystem, System, and Integration tests within a strict safety protocol. Performed load and stress testing.

**NEWPORT NEWS SHIPBUILDING, Newport News, VA 1982 – 1985**

Now a division of Northrop Grumman, this was an independent company during my tenure.

Manufacturer of military marine vessels including nuclear-powered aircraft carriers and submarines. Involved with cutting edge (for the time) robotics, implementing the first use of a PC in a production environment at the shipyard. Full development cycle, system integration and acceptance testing.

**CAIRONE CONSULTING SERVICES, New York, NY 1976 – 1982**

Independent consulting practice specializing in telecommunication infrastructure, pattern recognition, scientific programming and data analysis. Clients included ***BankWire***, ***Goddard Institute for Space Studies* -** a branch of ***NASA, ITT, and ABC.***

**EDUCATION**

***B.S. Mathematics and Computer Science***
Stevens Institute of Technology, Hoboken, NJ

**TEACHING EXPERIENCE**

Adjunct Faculty**, Thomas Nelson Community College**, Hampton, VA
Instructor – Microcomputers and Programming, **Langley Air Force Base** , VA
Instructor – CAD/CAM Overview course, **Newport News Shipbuilding Apprentice School**, VA

Instructor - Chess, **Chess Scholars**, Barrington, IL

**TECHNICAL SKILLS**

C, C++, C#, Visual Studio 2010, QNX, Windows, SQL, STL, Photoshop, InstallShield, AccuRev, Jira, ClearCase, Rational Doors, GDP.