

# Wayne B. Norris



+ internet

MAIL and PRIMARY RESIDENCE: 2534 Murrell Road, Santa Barbara, CA 93109-1859  
ALTERNATE RESIDENCE: 22676 Pine Lake Lane, Lake Forest, CA 92630 [Orange County]  
VOICE PHONE: 805-962-7703 FAX 805-456-2169  
EMAIL [Wayne@WayneBNorris.com](mailto:Wayne@WayneBNorris.com) URL <http://WayneBNorris.com/index1.html>

**OBJECTIVE: SENIOR PROGRAMMER POSITION WITH AN AGGRESSIVE COMPANY.**

## **SUMMARY:**

33 years of experience in the software industry, including 20 years as a programmer. Computer programming in twenty-seven different environments, including Windows, DOS, Linux, Solaris, and embedded systems, and in thirty-three languages, including SQL, ASP, C, C++, Java, Visual Basic, HTML, JavaScript, UNIX Scripting, and numerous assembly languages.

## **RELEVANT EXPERIENCE:**

### **Expert Witness, Software Consultant**

I do expert witness work in state and federal courts in patent and computer forensic cases, and develop software for customers.

### **Software Program Manager, Advantage Computer Systems, Inc.**

Advantage produces Point-of-Sale, back office, and accounting software for the wholesale and retail lumber, home center, hardware, apparel, and food industries, with 1,500 installations worldwide. I was the project manager for the team developing the core of their Version 5.

### **Senior Program Manager, 3DstockCharts.com**

3DstockCharts.com produces real-time 3-D displays of Level-2 stock prices on the major Electronic Communication Networks [ECNs]. The site is used by stock traders worldwide.

### **Research & Development Manager, Biopac Systems, Inc., Goleta, CA**

Biopac Systems manufactures a line of medical instruments for research and education. Biopac products include equipment to monitor and record over 40 electrophysiologic channels including heartbeat, EEG, EKG, EMG, plethysomograph, and numerous others.

My responsibilities included management of the newest release of the Windows core product. I managed a group of 11 engineers developing software and hardware, and participated in laboratory engineering with my staff engineers.

### **Vice President, Emulation Systems, Inc., Santa Maria, CA**

Emulation Systems, Inc. built aircraft and truck simulators for use in the US Government, civilian training, and entertainment industries. Our products included FAA certificated simulators for Cessna 172 and 182 aircraft, plus realistic simulators for the F-18, Cessna 210, and Beech 19 series of aircraft, the Hughes 500 series helicopters, as well as truck-mounted spray-boom applicators. All simulators had full-featured, high-resolution terrain graphics and full control loading, as well as full Jeppeson navaid and terminal databases.

My responsibilities included management of Engineering, R&D, Manufacturing, and Customer Support. I was responsible for costs, schedules, milestones, and staff assignments. I also did extensive reviews of the C code, mathematical algorithms, and physics models.

### **Vice President, Science & Technology, Chief Technology Officer, Typhoon Software, Santa Barbara, CA**

I managed 80 people, including 55 computer scientists and managers. We performed 57 engineering development projects for 41 customers over a 5½ year period, including 7

Fortune 500 companies. I personally marketed and sold every original project Typhoon ever produced, and assumed primary management responsibility for all of them.

Environments included Windows 3.x, 95, and NT, OS/2, UNIX, AS400, DOS, and Mac OS. Languages included SQL Server, Oracle, VB/Crystal Reports, VBA, Access, Delphi, C/C++, RPG400, and assembler for embedded micro-processors. Projects included training and decision management systems, MRP systems, database systems for the banking, medical, legal, printing, automotive, law enforcement, and retail communities, Internet applications, speech recognition, multimedia, device drivers, telephony, screen savers, porting between systems and languages, algorithm development, and educational software. Retail products included: IBM ViaVoice add-ins for Word, Word Perfect, and GroupWise; *Always With You*, a custom screen saver; and the most successful PLM to C porting tool in the world, used to convert over 10 million lines of code from PLM to C with zero compiler or logic errors.

#### Director of Federal Systems Division, ExperTelligence, Inc., Santa Barbara, CA

I managed and programmed on the largest object-oriented hypertext software development project ever undertaken for the US Government, Dynamic Documents™, for a customer in the National Security community. We delivered a prototype, and then negotiated a multi-million-dollar follow-on contract for the next several years. My responsibilities included project management, budgeting, scheduling, Government reporting, security management, and technical management.

#### Member of Technical Staff, General Research Corporation, Santa Barbara, CA

- Founder and manager of the Robotic Software Department at a GRC subsidiary
- Software development for numerous projects involving electromagnetic research

#### Other Relevant Experience

- Software development for analysis of organized criminal networks. The product is used by over 1,000 police departments world-wide [Anacapa Sciences, Inc.]
- Software development for a GUI-based computerized network of stations for functional testing of satellite-based IR detectors [Santa Barbara Research Center]
- Software development for a computer controlled vibration test set for researching microphonic noise in IR detectors [Santa Barbara Research Center]
- Software development for a visual scanner for in-process microchip wafer testing [Nanometrics, Inc.]
- Software development for the M-1 tank gun stabilization system [Delco]
- Software development for aircraft engine power simulation
- Software development for the AN/SLQ-32 Shipboard fire control system [Raytheon]
- Software development for a real estate multiple listing service database and catalog.
- Software development for the Minuteman trajectory telemetry and destruct command systems [ITT / 4392<sup>nd</sup> Launch Wing, Control Data Corporation]
- Software development and laboratory for microwave and radionuclide-based analytic systems [Rockwell]

Research and applied physics in numerous areas, including electromagnetics, air and water quality, aerodynamics, and mechanics.

#### EDUCATION

- University of California, Santa Barbara: B.A. Physics
- University of California, Santa Barbara and Santa Barbara City College: Courses leading to designation as a CPA
- Microsoft Certified Professional [MCP] designation
- University of Texas, Austin: Professional Certificate, HAZOPS and Risk and Management

- Defense Department Industrial Security Institute, Honolulu, HI: Security Management Certificate
- University of California, Santa Barbara: Post-graduate work in Advanced Mathematics and Physics, Human Factors, and Ergonomics