

*Resume of*  
**WARREN TAYLOR VAUGHAN, III**

**History**

**1998 to 2011**

Timestream®, Appleton, Maine. President. Develop and market multimedia tools, content, and titles for CD-ROM and the Internet (<http://www.timestream.com>). Rockport College/Maine Photographic Workshops, Rockport, Maine. Faculty. Teach special courses in computer and multimedia skills.

**1996 to 1998**

Helsinki School of Economics and Business Administration, Interactive Telecommunications Program, Helsinki, Finland. Visiting Professor. Taught graduate course "Introduction to Multimedia Production" during three consecutive summers.

**1988- 1992**

The HyperMedia Group, Inc. a California Corporation, Emeryville, CA. Founder and Senior Partner. Designed and developed custom software applications for multimedia platforms which included digitized audio, color and black & white animated graphics, and integrated television video. Produced large multimedia corporate information systems. Produced custom demonstration software for trade show and public distribution.

**1987-1988**

Apple Computer, Inc., Cupertino, CA. Contract multimedia instructional designer and programmer .

**1985-1987**

Key Thinkers, Inc., a California corporation, Oakland. President and CEO. Design and engineer hardware, software, and robotic systems for high-technology environments. Developed a robot and analysis software for scanning HEPA filters in hazardous environments (radiation, chemical, and biohazard). Developed 18 real estate and insurance programs bundled with a NEC laptop computer.

**1983-1985**

Applied Dynamics, Inc., San Francisco. Senior Scientist. Troubleshoot facility and production yield problems in the semiconductor industry. Engineer solutions to mitigate influence of vibration. Involved in the design of clean rooms, deionized water systems, HVAC concepts, and instrumented wafer fabrication lines.

**1983**

Consumer Guide, Skokie, IL. Technical Editor (contract). Edited and wrote original text for *The Best of Atari Software*.

Antic Magazine, San Francisco. Senior Editor. Prepared original material and copy-edited the work of outside authors for a monthly microcomputer magazine (circulation approx. 110,000).

Atari Inc., Sunnyvale, California. Senior Technical Editor. Prepared original computer programs and editorial material for The Atari Connection, a microcomputer magazine (circulation approx. 100,000). Final technical edit and pre-publication review of a 200-page computer applications user's manual (*Atari Microsoft Basic II*).

**1982**

Independent Marine Surveyor & Consultant. Provided experienced opinion regarding vessel safety, condition, and value for underwriters, lending institutions and private parties. As an expert witness, prepared technical material and written presentations for law cases. As a Coast Guard licensed captain, piloted vessels offshore.

**1978-1982**

Bay Area Marine Institute, San Francisco. Founder and President. Directed the day-to-day operation of a maritime training school. Developed long-range planning strategies. Prepared grant and contract applications and documentation and provided management and educational oversight. Co-founded Floating Point, a computer applications newsletter for naval architects and marine industry professionals. Taught.

**1976-1978**

International Marine Surveyors, Inc. San Francisco. Principal Surveyor. Prepared condition and valuation surveys for vessels of less than 100 tons. Prepared engineering analyses, reports and documentation.

**1976**

The Oceanic Society, San Francisco. Western Regional Director. Managed the west coast operations of a national membership organization dedicated to education, conservation, and research. Duties included partial administrative oversight of Oceans Magazine, circulation approx. 70,000. Developed grant and contract applications, documents, and final reports.

**1975**

Charles F. Chapman School of Seamanship, Stuart, Florida. Dean of the School. Prepared curricula and taught navigation skills.

**1973**

Driscoll Custom Boats, San Diego, California. Chief Master Carpenter. Major responsibilities in the rebuilding of the 12-meter yacht INTREPID for the 1974 America's Cup races.

**1971-1975**

Built 31-foot ocean-going sailboat GREAT BEAR. Sailed from San Francisco to Newport, Rhode Island, via Panama, hence to New Orleans. Participated in the 1974 America's Cup races.

**1970**

Language Services Inc., Santa Rosa, CA. Translated from German to English a series of Swiss patents having to do with ballistic guidance systems. Prepared documentation and correct language for the U.S. Patent Office.

Standard Oil Company, Richmond, CA. Special consultant in community relations. Organized and managed segment of cleanup operations in Marin County, CA, following San Francisco oil spill disaster.

**1968-1969**

National Institute of Child Health and Human Development. Contract systems analyst and programmer charged with the management of data acquisition and statistical processing for a national study on ageing. Scientific Analysis Corporation, San Francisco. As chief methodologist, designed and directed an in-depth cost-benefit analysis of the rendition of welfare services under contract to the California State Legislature. Prepared final report.

**1966**

Stars and Stripes Newspaper, Darmstadt, West Germany. Woodwork Shop and Distribution.

**1964**

M.S. Evanger. Ordinary Seaman. Circumnavigated South America via the Straits of Magellan as working crewmember of 20,000 ton break-bulk cargo ship.

### **Byline Publications:**

*Multimedia: Making it Work*-Osborne/McGraw-Hill (600pp. 1993) 2nd Edition (1994)

*Using HyperCard: From Home to HyperTalk*-Que/MacMillan (750pp., 1988)

"Birthing Microchips"-*Digital Deli*

*The Best of Atari Software*-Consumer Guide

"Bits and Pieces"-*Atari Connection*

"The Success of DataSoft"-*Antic*

"The Incredible Launch of the Great Bear"-*Multihull Sailing*

"From West to East by VHF"-*Cruising World*

"A Tale of Two Sisters: Carvel vs. Cold Molding"-*Wooden Boat*

"AutoYacht"-*Cad World* (Contributing Editor, 1989)

"Automated Scanning of HEPA Filters"-Institute of Environmental Sciences

"Marine Insurance and the Small Craft Surveyor"-U.S. Coast Guard, 12th District 1978 Boating Safety Seminar

"Regulation in Recreational Boating"-California Maritime Academy, Sixth Annual Maritime Industry Symposium

"National Apprenticeship Standards for Marine Services Technicians"-U.S. Department of Labor

Software Title Authorship: SUPERSHOPPER, SHIPS IN THE NIGHT, FLAGS, THE BOATYARD, REAL ESTATE PROFIT CALCULATOR, SECRETS, ADVANCED ANIMATION TUTORIAL, and other programs for microcomputer users.

Contributing Editor/ Monthly Columnist: *New Media Magazine; Morph's Outpost*

### **Education**

1958-62. Governor Dummer Academy, Byfield, Massachusetts

1962-68. Oberlin College, Oberlin, Ohio. A.B., Department of Anthropology and Sociology, with honors. Minor in sculpture.

1966. Institute for European Studies, University of Vienna, Austria.

1968-71. University of California, San Francisco Medical Center. PhD Program in Sociology (3 years).

1970. Graduate fellowship in Human Development, National Institute of Health.

## **Memberships**

Institute of Electrical and Electronic Engineers (1983)  
Society of Naval Architects and Marine Engineers (1976)  
American Society of Naval Engineers (1975, Journal Committee, 1990)  
American Boat and Yacht Council (1976, Electrical Standards Committee)  
Institute of Environmental Sciences and Technology (1986)  
United States Rowing Association (1993, Judge/Referee)  
Computer Press Association (Founder, Elected Honorary Lifetime Member in 1987)

## **Other Information**

Languages: German, Fortran, HyperTalk, SuperTalk, openScript, Lingo, Basic  
California State Teacher's Approval, Postsecondary Technical (1982)  
Licensed U.S. Merchant Marine Officer: Master, Near Coastal Steam, Motor, or Sail, 100 tons  
Private Pilot Airman's Certificate, single engine land  
U.S. Patent No. 4227246, "Multi-parameter Measurement System for Fluids"  
Cello player

## **Public Speaking**

Panelist, speaker, and moderator at technical conferences in computing including MacWorld (since 1988), West Coast Computer Faire, Multimedia Expo, Media '92, IICS, New Media in the 90's, Kodak Photo CD Developers Conference, and other venues in North America and abroad.

## **Software Projects**

As Senior Partner of The HyperMedia Group and as President of Timestream, Inc., Tay Vaughan participated in the design and program implementation of many multimedia applications and projects including:

Apple Computer, Inc.	SmartStack™ Developer Sampler CD-ROM Support Navigator™ CD-ROM Macintosh Portable In-Store Demo Telcom News™ Apple TV® VideoIllustrator PowerCD Photo CD
Attorney's Briefcase, Inc.	Family Law Reference System
Electric Power Research Institute	Image Library VideoDisc Resource Air Quality Control Demo Electrostatic Precipitator Guidelines
Electronic Catalog Corporation	DisplayNet® CD-ROM Catalog
Fluor Daniel Corporation	Executive Decision Tool Construction Bid proposal to American Airlines
Lotus	Animated Product Tours (1-2-3, others)
Microsoft Corporation Mountain Travel/Sobek	Multimedia PC Demonstration The Adventure Disc

Novell	NetWare for Mac Demonstration
Osborne/McGraw-Hill	The Catalog CD
Sun Microsystems	Network Demonstration (TOPS Division) Solaris 2.0 Demo (CD-ROM for SPARC stations)
Texas Utilities Company	Interactive Corporate Decision Database (Comanche Peak Nuclear Power Plant)
Varian Associates	Oncologic Database for Radiation Therapy

As President of Key Thinkers, Inc., Tay Vaughan oversaw and contributed code to the development of a comprehensive series of eighteen real estate and insurance programs written under contract to NEC Home Electronics (U.S.A.). He has also led projects involving the creation of special telecommunication terminal emulation programs written in the "C" language. He created original algorithms and coded the control software for a robotic scanning device to inspect High Efficiency Particulate Air filters used in nuclear research facilities, in virology laboratories, and semiconductor manufacturing clean rooms.

### **High Technology Projects**

As Senior Scientist for Applied Dynamics, Inc. and ACI Engineering Consultants, Inc., and as President of KTI Corporation, Tay Vaughan participated in the following projects which involved consultation in process, mass flow, electro-optics, photolithography, vibration and acoustical design, and system approaches to facility architecture and construction in technically sophisticated industries and applications:

#### **ADVANCED MICRO DEVICES**

Facility Rehabilitation  
Sunnyvale, California

#### **MOTOROLA, INC.**

MOS-8, Data Acquisition  
Austin, Texas

#### **FAIRCHILD SEMICONDUCTOR**

CMOS, Wafer Fab Design  
South Portland, Maine

Data Acquisition  
East Kilbride, Scotland

#### **FLANDERS FILTERS, INC.**

QC Robot and Software Design  
Washington, North Carolina

Facility Design  
Hong Kong

#### **FLOWINDS**

Altamount Pass, California

Facility Design  
Kuala Lumpur, Malaysia

#### **LAWRENCE LIVERMORE NAT'L LAB**

Facility Security Design  
Livermore, California

Geotechnical Site Analysis  
Sendai, Japan

#### **MARTIN MARIETTA AEROSPACE**

High Tech Center, Facility Design  
Orlando, Florida

#### **NATIONAL SECURITY AGENCY**

Special Process Laboratories

#### **NATIONAL SEMICONDUCTOR CORP.**

Facility Design  
Migdal H'amek, Israel

#### **TOSHIBA**

Acoustical/Mechanical Diagnostics  
Sunnyvale, California

#### **UNITED TECHNOLOGY RESEARCH CORP.**

Geotechnical Data Acquisition  
East Hartford, Connecticut