

RESUME

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EDUCATION

1983 Ph.D., Applied Physics, Harvard University;
Dissertation title: Statistics and dynamics of ocean eddies
1982 M.S., Applied Physics, Harvard University
1977 B.S., Physics, Massachusetts Institute of Technology
1977 B.S., Earth and Planetary Sciences (Geophysics),
Massachusetts Institute of Technology

SECURITY CLEARANCE - Secret (1976 - Current)

SPECIALIZED KNOWLEDGE

- Design and implementation of distributed parallel applications for both massively parallel (Connection machine, CM2 and CM5) and cluster architectures (PVM, MPI applications for oceanographic prediction modeling and US Navy weather forecast modeling)
- Computer languages: Ada, C, C++, C*, FORTRAN, Forth, Perl, HTML, WML, XML
- Operating Systems: DOS, WINDOWS NT/2000/XP, PalmOS, Unix: SYSV, BSD, Linux
- Real-time and embedded systems design; embedded system robotic instrumentation
- Design, programming and implementation of 6-legged autonomous walking robot - "Roboty" and a remotely operated camera interface - ROCI™
- Stochastic differential equations, data assimilation, inverse methods, optimal estimation
- Time-series analysis, digital signal processing and statistical estimation methods, simulated annealing, Kalman filters
- Electronics, optics and machining experience
- Integration of heterogeneous operating systems on a single network, network security and administration policies
- System security audits; multi-platform system administration; Internet intrusion investigation
- Design of security for e-commerce transactions
- Security/access control devices; magnetic strip encoding and decoding devices
- Design and implementation of a WML browser for PalmOS & Win CE devices
- Design and development of PalmOS Conduits
- Design of parallel and network distributed applications; TCP/IP implementations and applications
- Additional information can be obtained on any of the above subjects at <http://www.taygeta.com> and www.taygeta.net

EXPERIENCE

Owner

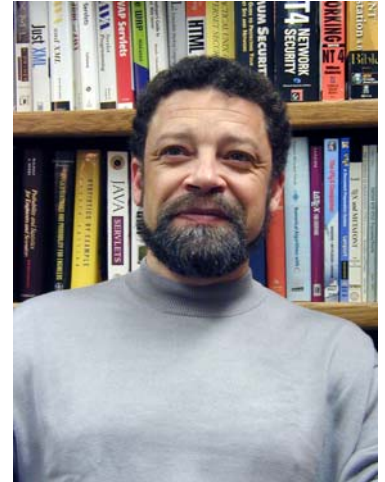
Present-1995

TAYGETA Scientific Incorporated dba TAYGETA Network Security Services

TAYGETA Network Security Services provides contract and consulting Internet and information security services for corporations/businesses from the following industries:

Aerospace • Banking and Financial Business (Public and Private Sector) • Education • Engineering
Government • Internet Service Providers • Law Enforcement • Legal • Manufacturing • Medical
Research and Development • Research Institutions

Dr. Everett F. Carter, Jr.



TAYGETA client projects include:

- Management & monitoring of firewall and intrusion detection systems
- Internet intrusion detection and capture; computer system hardening and system security audits
- Algorithms and design for secure access control systems
- Developing Internet security policies, system security audits and Internet intrusion tracking
- Design and implement password based security for web-based information access
- Proprietary software development for consumer education and entertainment product
- Collaborative software and hardware design and development for robotics projects; embedded systems robotic instrumentation
- Engineering and design of proprietary software for business applications
- Design and development of shipboard weather analysis system; parallel and distributed processing design software
- Systems software, TCP/IP implementation for an Internet access appliance
- Palm OS based conduits & Palm OS applications
- Calibration and diagnostics software for tester equipment
- Architecture and implementation WML browser software for XML based web information

PREVIOUS EMPLOYMENT

US Naval Postgraduate School, Monterey CA

Visiting Professor of Science

2001-1999

Assistant Research Professor of Oceanography

1995-1994

Assistant Professor of Oceanography

1994-1990

University of Hong Kong, Department of Chemistry

Adjunct Faculty of Science

1996-1995

University of Rhode Island - Graduate School of Oceanography

Marine Scientist

1990-1984

Harvard University, Cambridge MA

Postdoctoral Fellow

1984-1983

PROFESSIONAL AFFILIATIONS

American Geophysical Union (AGU) • Society of Exploration Geophysicists • Oceanography Society
Forth Interest Group (Former President, Elected Board of Directors) • MIT Black Alumni
Alliance for Marine Remote Sensing • Marine Technology Society • American Institute of Physics
American Nuclear Society • Forth Standards Committee • American Society for Industrial Security (ASIS)
MPUSD GATE Board (Tech Advisor) • Board of Directors for Monterey Peninsula Chamber of Commerce