
J. Everett F. George

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<https://www.jefgeorge.com> (Website)

Origin: United States Citizen

- Born in Macon, Georgia, USA.
- Born on 14 Nov 1959, age 64.

Website: URL: <https://www.jefgeorge.com>

- Developed [Dahlgren Vector Equations](#) for Special Relativity (SR).
- Developed Runge-Kutta [integration of SR equations](#) of motion for variable mass systems.
- Introduced Historical Science Articles with [Energized Algebra](#)
- Suggested Romberg Extrapolate to Zero methods for Partial Different Equation solutions.

Experience: Mechanical Engineer (Physicist / Optical Engineer)

[NSWC](#), Dahlgren, VA 22448

- 1991 – 1995
Clearance: Secret
- Worked as research specialist (GS-12) for Infrared (IR) Sensors Group, engaging in performance related analytical computer projects involving IR sensors.
 - Developed graphic / quantitative glitter corridor software that modeled sun IR reflection off ocean surface based on wave height.
 - Developed graphic / quantitative software to describe chaff clouds in IR spectrum using experimental data.
 - Proposed Monte Carlo methodology to access IR sensor performance from target image, resolvable temperature & anticipated extinction coefficients.
- Retired on disability from US Civil Service.

Mechanical Engineer (equivalent to CAD programmer)

[NSWC](#), Dahlgren, VA 22448

- 1983 – 1991
Clearance: Secret
- Chiefly worked as Computer-Aided Design (CAD) programmer (GS-7 to GS-12) in Gun / Missile Launcher Pointing & Firing Cutout Zone Safety Group.
 - Interfaced gun / missile launcher zone design & documentation processes with ComputerVision CAD System through programming & 3D ship modeling which greatly reduced errors & increased efficiency.
 - Wrote comprehensive manual for designing & implementing weapon pointing & firing zones for the Guided Missile Launching System Mark 10.
 - Proposed bit-mapped weapons firing zone storage with support using CAD 3D ship topside modeling.

Cooperative Student (submarine overhaul support)

[NNSY](#), Portsmouth, VA 23709

- 1981

Clearance: Secret

Cooperative Student (F100 turbofan engine support)

[P&W Aircraft](#), WPB, FL 33405

- 1978 – 1980

Clearance: Secret

Education: Continuing education: Web Page Design I & II, Java Programming, C++ Programming.

- [Virginia Tech](#), [Master](#) of Science in Physics. (Off-campus, Sep/1983 – Jul/1987)
- [Georgia Tech](#), [Bachelor](#) of Science in Mechanical Engineering. (Mar/1978 – Dec/1982)
- Macon Junior College (1977 – 1978)
- 1st Presbyterian Day School, High School Diploma, Grades 7-11 (1972 – 1977)
- Alexander IV, Bibb County Public School, Grades 1-6 (1965 – 1972)

Publications:

- “[New Techniques in Weapon Firing Cutout Zone Design](#)”, *Naval Engineers Journal*, May 1991.
- *Application of Ship Topside Modeling to Weapon Zone Design*, NAVSWC TR 90-127.
- *Pointing and Firing Cutout (P&FCO) Zone Design for Guided Missile Launching System MK 10 MODS 0 through 2, 5 through 8, and 10 through 15*, NAVSWC TR 90-209.

10. May 2024