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## J. Everett F. George

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

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### Origin: [United States Citizen](#)

- Born in Macon, Georgia, USA.
- Born on 14 Nov 1959, age 65.

### Website: URL: <https://www.jefgeorge.com> (volunteer effort with no monetary compensation)

- Developed [Dahlgren Vector Equations](#) for Special Relativity (SR) (~2000).
- Developed Runge-Kutta [integration of SR equations](#) of motion for variable mass systems (~2000).
- Introduced Historical Science Articles with [Energized Algebra \(2022\)](#).
- Suggested Romberg Extrapolate to Zero methods for Partial Different Equation solutions (2023).
- Persecution by an unknown website modifies my behavior & employment prospects (since ~2000).

### Experience: Mechanical Engineer (Physicist / Optical Engineer)

- 1991 – 1995 [NSWC](#), Dahlgren, VA 22448  
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)

- 1983 – 1991 [NSWC](#), Dahlgren, VA 22448  
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)

- 1981 [NNSY](#), Portsmouth, VA 23709

Clearance: Secret

### Cooperative Student (F100 turbofan engine support)

- 1978 – 1980 [P&W Aircraft](#), WPB, FL 33405

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)
- 1<sup>st</sup> 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.

13. February 2025