

**ROBERT W. SCHULER**

16209 Oak Meadow Dr.; Derwood, MD 20815  
(301) 947-8512 (Home) (301) 873-4271 (Cell)

**ENGINEER**

schulerrw@comcast.net  
<http://www.geocities.com/schulerrw/>

**FULL RESUME:** <http://www.geocities.com/schulerrw/resume>

**EDUCATION:**

M.S. Electrical Engineering, the Catholic University of America. December 2004  
M.S. Computer Systems Management, the University of Maryland University College December 2001  
B.S., Electrical Engineering, Virginia Polytechnic Institute, and State University May 1990

**PROFESSIONAL EXPERIENCE:**

**2004 - Present** **NSWCCD Code 75** – *Supervisory Engineer.*

- Principle investigator of Eddy Current Studies for NAVSEA PMS 500.
- Life Cycle Support for Advanced Degaussing systems aboard Mine Sweepers and DDG 76
- CAD Data Translation for FEM
- Certified member of the Navy's Acquisition Professional Community and DAWIA Level 3 certified.
- Web Sever Administration
- Knowledge sharing via "brown bag" lectures

**1997 – 2004 NSWCCD Code 20-** *Senior Engineer.*

- Web development using LAMP (Linux/Apache/MySQL/Perl)
- Software life cycle support for Advanced Surface Ship Evaluation Tool (ASSET).
- Contributed to the National Shipbuilding Research Program's (NSRP's) Integrated Shipbuilding Environment Consortium (ISEC) as a STEP (ISO 10303) and PLIB (ISO 13584) expert.
- UML (using Rational Rose) data modeling
- Project Leader and Editor for ISO 13584-102, Editor for ISO 13584-1, and Quality Team member for ISO TC184/SC4/WG2.
- US Navy representative on ISO 10303-227 working group

**1991 - 1997** **M. Rosenblatt & Son, Inc.** - *Project Engineer.*

- Team leader for Human Machine Interface (HMI) technology for piping system interfaces.
- Researched the application of circuit layout algorithms for use in automating the translation of 3D piping system models into 2D piping schematics.
- Supported NSWC in directing International Standards Organization (ISO) development of parts library standards (ISO 13584).
- Database schema development for the "Uniform National Discharge Standards" (UNDS) effort.
- Performed industry review of ISO 10303 AP 217 (the Ship STEP Piping AP).
- Software Development
- CAD2
- CAD data translation
- Ship support for Navy and Coast Guard

**1990 - 1991** **General Electric Government Services** - *Associate Engineer.*

- Radiation Hazard (RADHAZ) support for topside antennas
- Office Automation

**1986, 1987, and 1989 (Summers)** **SIXDB Inc.,** - *PC System Manager/Programmer/Draftsman/Technical Writer.*

- Software development
- Office Automation

**1988 (Summer)** **Metro Electrical Contractors Inc.** - Electricians Apprentice