

JOE LOUGHRY  
*Cross Domain System (CDS) Software Development and C&A*

## One Page Resume

- At the present time, I am writing a doctoral dissertation titled *Security Test and Evaluation of Cross Domain Systems* at the University of Oxford.
- I'm plugged in. I know people all over the world. I know the latest research; I know the people doing that research.
- 1998–2012 at Lockheed Martin Corporation:
  - **Information Assurance Engineer** for the last six years; before that, eight years as a **software engineer on Radiant Mercury**.
    - \* Invented constant-space digital signatures (a patent application 13/355,210 has been filed but not yet published) used for imagery analysis.
    - \* Proposed and won \$968,412.00 contract from Air Force Research Laboratory for a 'probabilistic redaction' system while telecommuting from grad school.
    - \* Discoverer of the optical TEMPEST effect; patent no. 6,987,461 assigned to Lockheed Martin.
    - \* C and UNIX programmer with Trusted Solaris, DCID 6/3, cross domain, and DIACAP experience.
- 1990–97 at Wells Fargo & Company:
  - I worked as a programmer and sysadmin for the bank.
    - \* Faced with a poorly documented mainframe application written in machine language, I solved that problem once and for all by writing a compiler for it.
    - \* After working for a few years, I enrolled part time for a master's degree in software engineering at Seattle University (M.S.E., 1996).
- Prior to 1990, I was still in school:
  - B.A. in math from the University of Colorado at Boulder.
- I have a security clearance and have had all my DoD 8570.01 shots already. I can satisfy your requirement for IAT Level III, IAM Level III, or IASAE Level III.

## Contact Information

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