

# WILLIAM DAN TERRY

william.terry@lodestonesystems.com 401 Clover Ln, Fort Collins, CO 80521, USA

970.217.0663

**Summary of Qualifications** *24 years of experience. Expertise in system architecture, design, and development distributed systems, data-mining, fusion, correlation, and profiling applications, Internet applications, geographical information systems, modeling/simulation, command, display and control, and expert systems, including emphasis on mission critical user-interfaces. Design and analytical skills used in projects ranging from system prototyping to research based on novel concepts. Management of development and research projects requiring coordination with multiple customers. Extensive background in all phases of system development life-cycle from technical design to maintenance.*

- Software Development**
- Novel flexible metadata architecture and distributed system, including simple mapping to other metadata systems.
  - Large-scale, distributed systems for heterogeneous data.
  - Web-based collaborative tool for distributed inter-agency processing of refugees with tiered security access.
  - Medical analysis and management.
  - Novel system for flexible matching among datasets.
  - Data-mining, correlation, and profiling systems to handle both real-time streaming data and dynamic heterogeneous data corpora.
  - Custom e-commerce solution.
  - Customized WWW functionality as an interface to an Internet-distributed information system.
  - E-government workflow and user interface with express consideration of usability and accessibility.
  - Real-time geographical information system.
  - Scientific computer programs for the simulation and modeling of physical phenomena.
  - Large-scale command, display and control system.
  - Expert system development environment and prototype expert systems for engineering system analysis.
- Engineering**
- Performed basic research, including the analysis of first-principle phenomena, and guided development of prototype systems.
  - Performed theoretical analyses for the development of engineering designs.
  - Defined the critical design parameters of modeled systems and recommended improved designs based on model analysis.
  - Pursued novel technology, including feasibility studies, presented to industry.
- Computer** UNIX, microcomputer and mainframe. C++, C, PHP, FORTRAN, LISP, Prolog, USDP/UML
- Education** Bachelor of Science in Engineering (BSE) in Engineering Physics, College of Engineering, The University of Michigan.
- Affiliations** American Association for Artificial Intelligence  
Association for Computing Machinery  
IEEE Computer Society  
Internet Society





*Engineering Physicist*

**Defense Research Technologies, Inc. - Rockville, MD 1986-1990**

- Designed and implemented computer models/simulations and an expert system for engineering research and development applications.
- Performed basic engineering research and analyzed engineering systems utilizing novel control system technology.
- C++, C, FORTRAN, LISP, Prolog.
- SECRET Clearance.

*Engineer*

**Vitro Corporation - Silver Spring, MD 1985-1986**

- Developed target tracking, search and rescue, system configuration, operator interface and chart digitizing functions for the US Coast Guard Medium Endurance Cutters' distributed command, display and control system.
- Designed and performed tests to validate the system.
- CONFIDENTIAL Clearance.