

Biographical Sketch **William P. Dane, B.S.**

Current Position: Systems Engineer

Education: B.S., Electrical Engineering, LaSalle University of Mandeville, LA

William Dane has 7 years of experience in software engineering. Prior to joining Human Technology (HT) in 1998, he worked as a Software Engineer for Information Spectrum and served in the U.S. Navy as an Avionics Technician and instructor. While at HT, he has developed Internet-based training courses and websites. Mr. Dane has designed and programmed various websites for clients including the Internal Revenue Service (IRS); Federal Emergency Management Agency (FEMA); U.S. Office of Personnel Management; Department of Education; Graduate School, USDA; Defense Acquisition University (DAU); U.S. Customs Service; Department of Labor; Department of Health and Human Services; U.S. Forest Service; and U.S. Marine Corps. In addition, he has authored a database-driven, dynamic Internet site for the Advanced Distributed Learning Network.

Mr. Dane has expertise in the use of the following applications: Adobe PhotoShop, Adobe ImageReady, Adobe Distiller, Cold Fusion Studio, Cold Fusion Application Server, Macromedia Flash and Authorware, RealProducer, MS SQL Server, and Oracle Database Interfaces.

Recent Relevant Experience

Currently serving as the lead systems engineer for the Customs Service *e*-Learning pilot project by:

- Programming and testing a web portal and database that automate registration, individual development planning, and learner management functions.
- Working with a third-party training vendor to facilitate a handshake between data repositories.

Managed the systems development aspects of the Department of Defense's Advanced Distributed Learning initiative by:

- Developing animated computer models and presentations used to educate the training and development community about the concepts underlying the Shareable Courseware Object Reference Model (SCORM).
- Designing web-based forums that supported knowledge capture and exchange.

Served as a lead systems engineer and programmer for the development of the following FEMA projects:

- **Evaluation of Training Web-Based Course:** Designed and programmed a learning management system to lead the student through a blend of learning experiences that included text-based reading, computer-based exercises, written assignments, online testing, performance support tools, and a knowledge management exchange.
- **Y2K Training:** Programmed a web-based knowledge center that provided State and local emergency managers with information and resources.

Served as the lead analyst to develop programming codes and routines that produced a fully accessible website for instructing Social Security Administration personnel who are visually impaired on the use of the Internet.

Recent Relevant Experience

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Served as lead technical advisor in the development of web-based training standards for the IRS. Programmed three web-based courses based on these standards. Designed the technical aspects of web-based performance support tools to help IRS managers complete their performance management responsibilities.

Served as lead analyst and programmer for a website for the Human Resource Development Council to exchange knowledge and disseminate tools for fostering learning organization practices within Federal agencies.

Managed the programming and usability testing of more than 150 hours of web-based courses for the DAU on acquisition management. One course resulted in more than \$4 million in cost savings during the first implementation year.

Conducted the Preliminary Design Review for the DAU Internet-based course, Fundamentals of Systems Acquisition Management. During this review:

- Evaluated the progress, technical adequacy, and risk resolution of the selected design approach.
- Assessed the compatibility of the development specification with performance and engineering requirements.
- Established the existence and compatibility of physical and functional interfaces between the item and other equipment, facilities, computer programs, and personnel.
- Developed the first-generation Internet-based, computer-managed instruction application for the DAU.

Worked on computer-based training (CBT) projects such as developing interactive courseware and other training material. Specifically, developed programs for the U.S. Marine Corps (H-46 exterior preflight lesson) and Sperry Marine, Inc. (an automated price list/catalog).

Performed analyses in several CBT-related areas: evaluated training interventions, performed media selection analyses, determined on-the-job training requirements, evaluated self-paced instructional material, and assessed training needs for various customers.

Assisted in the research and development of weapon and training systems operation and support, aircraft simulation, software development, acquisition documentation, and fleet introduction to customer countries. Conducted independent analyses to identify/quantify system requirements and evaluated training program development efforts.

References

Walter Chiavacci, Program Manager, Customs Service, 202-927-4677
Will Peratino, Distance Learning Director, Department of Labor, 202-693-5904