

DUANE WALKER

www.eportfoliohaven.com

EDUCATION

Western Governors University

M.S, Information Security and Assurance

Salt Lake City, UT

Projected Graduation 2011

Hawaii Pacific University

B.S., Computer Science

Honolulu, Hawaii

December 1999

- Concentration: Systems Analysis & Design
- Graduated with honors, GPA 3.93

A.A.S., Math

December 1999

- Graduated with honors, GPA 4.0

ECPI College of Technology

A.A.S., Computer & Information Science

Virginia Beach, VA

March 1996

- Major: IT / Programming
- National Vo-Tech Honor Society Member
- Graduated with honors, GPA 3.89

CERTIFICATIONS

CompTIA: CompTIA Network+ Certified Professional Certification - September 2009.

Certified Internet Web Professional (CIW): CIW v5 Master CIW Designer Certification - March 2009.

Institute for Certification of Computing Professionals (ICCP): Associate Computing Professional, ACP Certification - June 2009 - specializing in IS Core, Database Administration, IT Consulting, Web Development, C++, Java, Visual Basic, and Software Engineering. Expert proficiency designation in Web Development - June 2009.

SKILLS

Programming Languages: ActionScript, ASP, C++, CGI, ColdFusion, InstallShield, Java, JavaScript, JSP, PHP, SilkTest, Tcl/Tk, VbScript, VisualBasic

O/S: Linux, Unix, Mac OS 10.x,

Windows 95/98/ME/2000/NT/XP/Vista

Technical Writing

MS Office Suite Win XP/Mac OS 10.x: Access, Excel, Word, Powerpoint

Web Design: Adobe Acrobat, CSS, HTML, Flash, Dreamweaver, Fireworks, Photoshop, ImageReady

Database Design: Access, SQL, MySQL, Oracle 10g

EMPLOYMENT

Regent University IT Department

Web Developer/Webmaster

Virginia Beach, VA

07/05 –present

- Responsible for the overall maintenance and upkeep of Regent University's Web sites.
- Provide technical assistance, quality assurance review, troubleshooting, and problem resolution to all schools and departments for ColdFusion/JavaScript programming issues, Flash design/programming issues, Dreamweaver problems, CSS problems, and Web page design/development issues.
- Took the initiative to revamp the way News Articles were created and maintained at Regent University. The old system consists of over 37,000 files with more than 900 folders containing images and multiple web pages. Searching for old articles was inefficient and new Web pages had to be built for every new News Article that was released to the Public. To solve this business problem, a dynamic database driven system

with a Content Management System (CMS) was designed, developed, tested, and implemented to maintain and display News Articles. This system significantly improves the process of maintaining existing News Articles and adding new News Articles via the CMS and provides for a better overall User experience.

- http://www.regent.edu/news_events/
- Key features include feature article and more news content controlled by the CMS, news archive for indexing all news articles, and a search feature for finding specific news articles. The CMS provides for adding new articles with corresponding images and management of the articles.
- Designed, developed, tested, implemented, and maintained a custom built Training Event Registration n-tier system, designated as Regent Training System, to consolidate Event Registrations for the Center for Teaching & Learning (CTL), Human Resources (HR) department, the Information Technology (IT) department, and the University Library. This online system consists of a custom ColdFusion/JavaScript/CSS front-end and an Oracle back-end database solution. The system maintains User registration information so that various reports can be ran by the administrator via the custom built CMS.
 - <http://www.regent.edu/rts>
 - This system will allow the University to save \$2,610/year in maintenance/yearly fees for the Ontrack Training Database solution they previously used. In addition, CTL would have had to pay a one-time fee of \$6,000 to upgrade their system. Not only is there a cost savings on the yearly price of the Ontrack database software, there is a cost savings on the tremendous amount of time and effort involved for the manual updates of several Event registration Web pages and the manual tracking of all registration requests and updates.
 - Key features include: dynamic registration page based on Events added by the administrator; custom built training reports and search utilities; automatic Event registration confirmation via the registration Web page and via email; automatic email reminders for Events the User has registered for; User management of their registration information; User's ability to cancel reservations online instead of having to contact the administrator; the administrator via the CMS can automatically notify Users of Event changes, add Events, copy Events, delete Events, and run various reports such as Event rosters.
- Built custom confidential School of Undergraduate Studies Surveys and custom Survey statistical reporting to allow the enhancement of the quality of their admissions process and enhance the quality of their curriculum development and deployment.
- Built a custom confidential CTL Survey and custom Survey statistical reporting to allow for enhanced planning and training for faculty members.
- Built a custom confidential HR Quality of Work Life Survey and custom Survey statistical reporting to provide feedback on current practices within Regent University and to allow for enhancing the quality of work life at Regent University.

***Regent University IT Department
Web Programmer***

***Virginia Beach, VA
07/04 – 07/05***

- Responsible for the overall maintenance and upkeep of Regent University's Web sites.
- Utilized Photoshop and Fireworks for custom photo editing and image design.
- Designed normalized Oracle Database tables for maintaining Regent University Events Calendar data.
- Designed, developed, tested, implemented, and maintained ColdFusion Web pages that interact with the Oracle Database to retrieve Events Calendar data dynamically and a CMS to allow the administrator to control the Events that display on the Events Calendar.
 - <http://www.regent.edu/events/calendar/>
 - Key features include random picture rotation based on seasons; random message quotes; automatically generated dates for previous month, next month, and current month; dynamically

retrieved data from the database to highlight days that have Events present which the User can select and retrieve Events information

- With a very tight deadline, gathered requirements and developed Adobe Acrobat PDF Application forms that the User can fill out and submit online. Combined Acrobat JavaScript verification which interacts with ColdFusion for the application submittal.
- Designed normalized Oracle Database tables for maintaining Survey data which saves Regent University from having to purchase Online Surveys from other companies, thus saving the University money.
- Designed, developed, tested, implemented, and maintained ColdFusion/JavaScript Web pages that interact with the Oracle Database to display and retrieve Survey data dynamically.

***Hampton City Schools
Information Technology Specialist***

***Hampton, VA
03/04 – 07/04***

- Redesigned an Intranet site to support dynamic content.
- Provided training on Web Site design, development, and testing
- Created new navigation buttons and graphics with Photoshop to support new Intranet design
- Added a new internal navigation scheme
- Designed a content management system with PHP and MySQL to allow for users to update various Web pages without having to know programming or HTML
- Utilized a Dreamweaver template to maintain consistency of design for all pages
- Utilized one PHP page instead of many HTML pages to reduce server bandwidth usage
 - PHP test server located at http://www.astonishingportal.com/hcs_intranet/index.php

***Regent University School of Psychology and
Counseling
Web Design/Programming Consultant***

***Virginia Beach, VA
10/03 – 03/04***

- Redesigned Missionary Outreach Support Services static HTML pages to support dynamic web content and to make it user friendly.

***Adtech Inc.
Senior QAA***

***Honolulu, HI
6/99 – 10/03***

- Designed, developed, tested, implemented, and maintained an Access database to maintain test case completion results for each new software release.
- Designed, developed, tested, implemented, and maintained an Intranet site for the QA Division.
 - ASP pages created using JavaScript and VBScript for dynamic viewing and updating of the Access database at any stage of the testing life cycle.
 - ASP pages created to provide an efficient user interface to allow the user to select all necessary information needed to support automatic test execution of automated Tcl tests.
 - ASP pages created to allow the test engineer to dynamically view and update text files to maintain a record of test failures and comments for trend analysis and correction.
 - ASP pages created to provide training to the user on various topics.
- Responsible for the Systems Analysis and Product Verification of ATM, BERT, Frame Relay, and Ethernet products for each software release on Windows and Unix platforms.
 - Developed test plans and procedures for new features, manually tested the features, and wrote SilkTest & Tcl scripts to automate features to ensure product quality prior to a new software release.
 - Built utilities in Visual Basic to facilitate testing of assigned features.
 - Maintained automated SilkTest & Tcl scripts for regression testing prior to each new release.
 - Troubleshot test failures and identified them as hardware, software, or SilkTest/Tcl scripts.

- Responsible for the discovery, tracking, and verification of several hundred defects prior to new software releases to maintain and increase the quality of our products, significantly reduce tech support calls, and gain customer confidence of our products.
- Coordinated, designed Tcl and SilkTest scripts for, and implemented System level tests to ensure our various products work together successfully.
- Performed all Install Shield builds and installation tests prior to each software release.
- Developed training plans to improve employee's overall level of knowledge of MKS and SilkTest.
- Initiated changes to improve the overall development process and virtually eliminated ad-hoc testing.
- Maintained and updated functions in InstallShield for installation builds of all main software releases.
- Maintained and updated SilkTest scripts for automatic control of InstallShield.
- Utilized MKS version control software on all automated test scripts and web pages.

U.S. Navy

Pearl Harbor, HI

Leading Petty Officer/Technician

7/96 – 6/99

- Responsible for the overall direction, coordination, supervision, training, and evaluation of 10 personnel.
- Performed Quality Assurance sound analysis and vibration measurements for 17 submarines during various upkeep periods to analyze and correct any sound shorts that could cause unwanted noise to be distributed through the hull of the ship.
- Coordinated, scheduled, and conducted preventive maintenance and training on various test equipment.

U.S. Navy, USS Bainbridge

Norfolk, Virginia

Workcenter Supervisor/Technician

2/91 – 5/96

- Responsible for the overall direction, coordination, supervision, training, and evaluation of 17 personnel.
- Performed preventive and corrective maintenance on various motors, generators, motor controllers, automatic transfer units, and switchboards.
- Received Admiral's Letter of Commendation for superior watch standing abilities during an Operational Reactor Safeguards Exam.
- Received recognition for improvements made to the quality of the Reactor Electrical Division work schedules and maintenance records.