

# Curriculum Vitae

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Name: Treva Marshall  
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Richland College  
12800 Abrams Road  
Dallas, TX 75243

## Education

- BS of Science in Computer Science

## Teaching Experience

- Dallas Independent School District 2002-2006
- Richland College 2017-present

## Publications and Papers

- Search Engine Journal <https://www.searchenginejournal.com/author/treva-marshall/>
- Huffington Post <https://www.huffingtonpost.com/author/treva-marshall>

## Certificates, Certifications & Other Qualifications

- Microsoft Access 2016, Certified 07/2017
- Secondary Mathematics, Certified 05/2003 (Expired)

## Relevant Work Experience

### EDUCATOR

2001 - 2006

#### LEAD TEACHER – DALLAS INDEPENDENT SCHOOL DISTRICT

- Identified at-risk students and implemented targeted learning plans to increase student performance
- Performed data analysis on student assessment results
- Managed lesson plan designs for Algebra I content teachers
- Communicated with local and district officials on content teacher progress
- Algebra I, Algebra II, Geometry classroom teacher
- Promoted student motivation through interactive learning

#### *KEY ACCOMPLISHMENTS:*

- Appointed to Lead Algebra I Teacher based on student achievement rates and innovative lesson plans
- Appointed to Lead TAKS test teacher due to improvements in student test performance
- Increased student passing rate on TAKS test from prior year test score data

### ADJUNCT PROFESSOR – RICHLAND COLLEGE

2017 – PRESENT

- Develop and manage course syllabus, teach in accordance with learning objectives, and evaluate student performance
- Teach students the suite of Microsoft Office Business products (Word, Excel, Powerpoint, Access)
- Prepare students to successfully pass the Microsoft Office Certification Examination
- Utilize technology to facilitate learning and to access data, maintain records, generate reports, and communicate with others.
- Use innovative strategies to continually improve learning
- Use knowledge of diverse communities and learning styles and has the ability to incorporate diversity of delivery of such learning styles in instruction

I certify that statements made by me in this vitae are true, complete and correct.

**SENIOR TBS TECHNICAL SPECIALIST – ATMOS ENERGY****2008 – 2017**

- Recommend and develop innovative technical solutions and alternatives for complex business problems
- Collaborated with business units regarding capabilities of existing systems to satisfy business requirements
- Created cross functional teams to analyze operational procedures, identify problems, and implement process improvements
- Lead requirements gathering efforts, prepare functional specifications, user documents, and conduct end-user training
- Lead efforts to design and code innovative web based and windows based solutions to support multiple business units
- Analyzed and resolve technical problems including data issues, workflows and production reports and interfaces
- Developed and maintain custom .NET/SQL/Oracle interfaces to ensure accurate and efficient flow of data between systems
- Developed and maintain system monitoring queries and exception reporting tools
- Created and maintain complex Crystal/BI Publisher reports to support multiple business unit requirements

***KEY ACCOMPLISHMENTS:***

- Created a business process model, designed and developed a web tool to allow technicians to poll critical Mid-Tex Division meters and download key data elements on demand ensuring proper communication networks are in place
- Developed gas accounting and deal contract reports for Aligned Gas Ops users resulting in increased operational efficiency
- Designed and developed interactive Gas Deal Confirmation increasing efficiency for Mid-Tex and La. Gas Traders
- Designed and developed automated interface to move critical SCADA data elements 24/7 supporting Gas Control operations
- Selected as Employee Activity Planning Committee (EAPC) 2014 Chairperson for Shared Services Division

**SENIOR PROGRAMMER / ANALYST – CITY OF DALLAS, DALLAS POLICE DEPARTMENT****2006 – 2008**

- Managed the design, development, implementation, and support of new applications (Full-life cycle) for multiple police units
- Performed data analysis and business needs assessments for software enhancements to solve business problems
- Communicated with senior level officers to assess technical support needs
- Project lead on upgrading legacy applications to .Net framework
- Led project to create process to remotely update and configure Police Mobile Data Computer (MDC) laptops
- Lead Cognos (Business Intelligence Solution) application support analyst
- Created and supported SQL 2000 / 2005 databases to ensure data integrity within software applications

***KEY ACCOMPLISHMENTS:***

- Received Civilian Commendation for outstanding contribution in improving business processes and application development

**SOFTWARE TEST ENGINEER – NORTEL NETWORKS****2000 – 2001**

- Team lead for quality assurance testing and documentation efforts
- Trained new team members in Passport device testing
- Created and implemented comprehensive test plans for the verification of new designs
- Coded detailed test instructions and maintained regression test suites
- Wrote detailed scripts to automate testing and data collection

***KEY ACCOMPLISHMENTS:***

- Project lead for stability and performance testing for GPRS v3.0 network
- Received "Outstanding Contribution" Award in recognition of the successful rollout of a core product

**SYSTEMS ANALYST – EXXONMOBIL****1998 – 2000**

- Lead support analyst for several software applications
- Interfaced with other functional groups to access business needs
- Communicated with functional group leads to design and create specifications documents
- Identified, tracked and resolved product errors
- Executed application and system test plans

***KEY ACCOMPLISHMENTS:***

- Led project to streamline refinery waste management tracking system, projected to save the Company more than \$700k
- Collected and analyzed data from a \$1M project designed to standardize network environment

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