

**R. Arlen Strader**

IT Manager III

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**PROFESSIONAL INTERESTS**

Numerical Computation  
Project Management  
Web-based learning  
Web-based testing  
Web design

**PROFESSIONAL EXPERIENCE**

Web application development (1995-present)  
Database/Systems Administration (1999-2017)  
Educational software development  
Programming languages: Python, Perl, C, HTML, Java, JavaScript, PHP, SQL  
Web Frameworks: Django, Drupal, Wordpress

**TEACHING EXPERIENCE**

EHRD489 – Introduction to Database Administration (Spring 2015)  
TCMG316 – Introduction to Database Administration (2016-2018)

**EDUCATION**

M.S. Mathematics, Texas A&M University, 1996  
B.S. Mathematics, Bob Jones University, 1992

**PUBLICATIONS AND PRESENTATIONS**

Denton, J., Davis, T., Smith, B., Strader, A., Clark, F., & Wang, L. (2006). Technology mentor fellowship program: A technology integration professional development model for classroom teachers. *National Forum of Teacher Education Journal* 17E:3.  
[www.nationalforum.com](http://www.nationalforum.com)

Denton, J., Davis, T., Smith, B., Beason, L., & Strader, R. (2005). An online professional development model for pre-service teacher education. *Proceedings of E-Learn 2005 World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*. 617- 624. Chesapeake, VA: Association for the Advancement of Computing in Education.

Pilant, M., Bollinger, K., Hester, Y., Hall, R. & Strader, A. (2005). *Finite math on the web*. Brooks/Cole, Belmont, CA.

- Denton, J., Davis, T., Smith, B., Beason, L., & Strader, R. (2005). An online professional development model for pre-service teacher education. Proceedings of E-Learn 2005 World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education. 617- 624. Chesapeake, VA: Association for the Advancement of Computing in Education.
- Denton, J.J., Davis, T.J., Smith, B.L., Strader, R.A., Clark, F.E., & Wang, L. (2004-05). Net generation undergraduates as technology mentors for teacher educators. National Forum of Teacher Education Journal 17E;3. Available at: [www.natinalforum.com](http://www.natinalforum.com)
- Denton, J. Davis, T., Strader, A., Durbin, B., & Wang, L. (2004) Technology Infrastructure and Professional Development in Texas Public Schools. Paper presented at the Southwest Educational Research Association Meeting. Dallas, TX, February 5, 2004.
- Denton, J., Davis, T., Strader, A., Durbin, B., & Wang, L. (2004). Has state and federal support changed technology infrastructure and professional development in Texas public schools. Proceedings of ED-MEDIA 2004, 5242-5249.
- Denton, J., Davis, T., Strader, A., & Durbin, B. (Winter 2003). 2002 Texas Public School Technology Survey. INSIGHT . 17:3, 13-28.
- Denton, J.J., Davis, T.J., Strader, R.A., Durbin, B. (2002). Report of the 2002 Texas Public School Texas Public School Technology Survey Prepared for the Telecommunications Infrastructure Fund board and Texas Public Schools. College Station, TX: Texas A&M University (ERIC Reproduction Number ED-477-712).
- Denton, J., Davis, T., Strader, A., Clark, F., Jolly, D. (2002). Technology Professional Development of Teacher Education Faculty by Net Generation Mentors. College Station, TX: Texas A&M University (ERIC Reproduction Number ED-477-711).
- Denton, J. J., Clark, F. E., Allen, N. J. (2002). A Dilemma for Technology Professional Development in Colleges of Education: Building Capacity vs. Providing Tech Support. College Station, TX: Texas A&M University (ERIC Reproduction Number ED-464-617).
- Denton, J. J., Smith, B. L., Davis, T. J., Strader, R. A., Clark, F. E. (2002). Technology Professional Development Enabled by an Electronic Management System. College Station, TX: Texas A&M University (ERIC Reproduction Number ED-464-617).
- Denton, J. (2001). Distance Education and Technology in the Classroom. College Station, TX: Texas A&M University (ERIC Reproduction Number ED-458-812).
- Denton, J. & Strader, A. (2001). Building a Case for Conducting Technology Surveys Online. College Station, TX: Texas A&M University, 1998 (ERIC Reproduction Number ED-454-810)
- Denton, J., Davis, T. & Strader, A. (2001). 2000 Public School Technology Survey. INSIGHT, Summer, 2001. 15:2, 13-23.
- Strader, A., Hall, R., Pilant, M. (1999). Implementation and Scalability Issues for Web-Based Assessment. Presentation at M/SET 99, San Antonio, Texas.
- Hall, R., Pilant, M., Strader, A. (1999). The Impact of Web-Based Instruction on Performance in an Applied Statistics Course. Proceedings of M/SET 99.
- Denton, J., Davis, T., Strader, A., Jessup, G., & Jolly, D. (1999). The changing technology infrastructure in Texas public schools. INSIGHT, Summer, 1999, 13:2, 34-38.
- Denton, J., Davis, T., Strader, A. & Jessup, G. (1999). Final Report of the 1998 Texas Public School technology Survey. College Station, TX: Texas A&M University, (ERIC Reproduction Number ED-428-751).

**SYNERGISTIC ACTIVITIES**

Strader, R. A.. Contract support for the TIMS web application where P.I. submit annual reports for funded projects through TRISH.

Strader, R. A. (Principal Investigator). P.I. for web management and application development. National Space Biomedical Research Institute. September 2007 – present.

Denton, J.J. (Principal Investigator). Strader, R.A. (co-P.I.) Contract for website services, support and materials development to the National Space Biomedical Research Science Institute. March, 2000 – August, 2007.

Co-designer of the e-Empowerment Zone, a web-based continuing education instructional platform.

Co-designer of the i-Folio student portfolio application for pre-service teachers.