

DANA A. STEIL

Department of Computer Science
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INTERESTS

- Teaching undergraduate computer science courses
- Directing funded software development projects for the Law Enforcement and Criminal Justice domains. Responsible for the supervision of 8 undergraduate students who work on these efforts approx. 20 hours per week.

EDUCATION

Ph.D. Computer Science, The University of Alabama, Tuscaloosa AL, 2010.
M.S. Computer Science, The University of Alabama, Tuscaloosa AL, 2008.
M.S.E. Education/Math, Harding University, Searcy AR, 2004.
B.S. Computer Science, Harding University, Searcy, AR, 1997.

EMPLOYMENT

(Aug. 2000 to Present) Assistant Professor of Computer Science, Harding University, Searcy AR
(May 2007 to Aug. 2010) Graduate Research Assistant & PhD candidate, The University of Alabama, Tuscaloosa AL. (While on leave from Harding University)
(2005-2006 Summers) Contract Software Developer, ABC Financial, Little Rock AR
(2001-2002 Summers) Contract Software Developer, Wilson-Bennett, Searcy AR
(1997-2000) Software Developer/ Technical Lead, Alltel Information Services, Little Rock, AR
(1995-1997) Student Programmer, Harding University, Searcy AR

PUBLICATIONS

- Steil, D. A.; Pate, J. R.; Kraft, N. A.; Smith, R. K.; Dixon, B.; Ding, L.; Parrish, A.; , "Patrol Routing Expression, Execution, Evaluation, and Engagement," IEEE Transactions on Intelligent Transportation Systems, vol. no. 99, pp.1-15, August 1010
- Ding, L; Steil, D.; Hudnall, M.; Dixon, B.; Smith, R.; Brown, D.; Parrish, A. "PerpSearch: An Integrated Crime Detection System", IEEE Intelligence and Security Informatics 2009, Dallas, TX, Jun. 2010
- Steil, D.; Parrish, A. "HIT: A GIS-Based Hotspot Identification Taxonomy," International Journal of Computers and Their Applications Vol. 15 No. 2, June 2009
- Steil, D.; Hong, X.; Ding, L. "A Mobility Camouflaging Evaluation Tool," ACMSE, Clemson SC, March 2009
- Steil, D.; Hong, X. "A Milepost Network Protocol for Vehicle Tracking and Trooper Deployment," International Conference on Wireless Networks, Las Vegas NV, July 2008
- Steil, D. Parrish, A. "Architecture for Patrol Routing Simulations," ESRI Intentional UC, San Diego CA, August 2010

- Steil, D. "Building Geospatial Analytical Capabilities for Data Fusion and Intel Centers (All Hazards through All Risks)," ESRI Intentional UC, San Diego CA, August 2009
- Steil, D. "Toward a Trooper Advisory System Using Crash and Citation Data," ESRI SERUG, Jacksonville FL, April 2008
- Steil, D. "Reducing Traffic Fatalities Using GIS Data as a Deployment Guide", ESRI Intentional UC, San Diego CA, August 2008

PRESENTATIONS

- UA GSA Conference, March 2008
- GIS Symposium at Troy, October 2007
- UA CS Research Colloquium Series, October 2007

POSTER PRESENTATIONS

- (SAVIR) Society of Advancement of Violence and Injury Research, March 2009
- Transportation Research Forum, March 2009
- Traffic Records Forum, June 2009

HONORS AND AWARDS

- Upsilon Pi Epsilon, National Honor Society for Computer Science, Inducted 2008
- UA Graduate Student of the Month, March 2008
- GSA Conference Second Place Presentation Award: "Toward a Trooper Advisory System Using Crash and Citation Data", March 8, 2008
- UA Graduate Council Fellowship, 2007-2008

TEACHING EXPERIENCE

- Programming 1 & 2
- Data Structures
- Software Engineering
- Operating Systems
- Object Oriented Programming
- Senior Seminar
- Senior Capstone Project Course
- Distributed Programming
- Selected Topics "Console Game Programming"

OTHER ACTIVITIES

Serve as an academic advisor.

Active member at Downtown church of Christ, Searcy AR

Served as XEA Social Club sponsor (2004-2007)

Serve as the Computer Science Club sponsor. (200-2004)