

Brian D. Eoff
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Education

- **Texas A&M University** College Station, TX
Ph.D., Computer Science, Expected Graduation 2009
- **Auburn University** Auburn, AL
M.S., Computer Science, Fall 2005
Thesis: Using Genetic Programming to Quantify the Effectiveness of Similar User Cluster History as a Personalized Search Metric
- **Auburn University** Auburn, AL
B.E., Computer Engineering 2003

Work History

- **Graduate Research Assistant** Fall 2007 - Current
Texas A&M University. Sketch Recognition Lab College Station, TX
 - Working on alternate physical metrics for sketch identification.
 - Developed system to identify user based on stroke features.
- **Graduate Assistant Non-Teaching** Summer 2006 - Spring 2007
Texas A&M University. College Station, TX
 - Network Administrator for the CS Department
 - Maintained DNS, VMPS and DHCP system.
 - Worked on SNMP tracking system.
- **Graduate Teaching Assistant** Fall 2005 - Spring 2006
Texas A&M University. College Station, TX
 - Taught Lab Sections for CPSC211 (Data Structures in C and Java)
 - Best Teaching Assistant Award 2006
- **Graduate Research Assistant** Summer 2003 - Fall 2004
Auburn University. Auburn, AL
 - Software Executable Vulnerability Analysis for MDA
 - Denial of Service Mitigation Research for Air Force
 - Discovering security holes in simulation software
- **Summer Internship** Summer 2000
TRW Huntsville, AL
 - Created backup/restore utility for military simulation software package.

- **Summer Internship**

Summer 1998

Adtran

Huntsville, AL

- Created online message board system to keep track of updates
- Documented L2TPD software

Publications

- Wolin, A., Eoff, B., and Hammond, T. Search Your Mobile Sketch: Improving the Ratio of Interaction to Information on Mobile Devices. (In submission to Smart Graphics 2008)
- Paulson, B., Eoff, B., Wolin, A., Johnston, J., and Hammond, T. Sketch-Based Educational Games: "Drawing" Kids Away From Traditional Interfaces. In IDC 2008 Posters, Demos, and Doctoral Consortium, 2008. (To be presented)
- Hammond, T., Eoff, B., Paulson, B., Wolin, A., Dahmen, K., Johnston, J., and Rajan, P. Free-Sketch Recognition: Putting the CHI in Sketching. In Proceedings of CHI, 2008.
- Eoff, B. and Hammond, T. User Identification by Means of Sketched Stroke Features. In AAAI Student Abstract and Poster Program, 2008. (To be presented)
- Graham, R., Eoff, B., and Caverlee, J. Plurality: A Context-Aware Tag Recommendation System. In Proceedings of the 17th international Conference on World Wide Web (Beijing, China, May 08 - 12, 2007). WWW '08.
- Eoff, B. Using Genetic Programming to Quantify the Effectiveness of Similar User Cluster History as a Personalized Search Metric, Master's Thesis: Auburn University, Computer Science, 2005
- Hamilton, J.; Chatam, W.; Eoff, B.; Imsand, E.; Sachitano, A.; ÓSecurity Issues Resulting from InteroperabilityÓ (Chapter 9), Modeling Command Control Interoperability; Hamilton, J.; SCS Press. 2004
- Eoff, B., Hamilton, J.A., Jr. Vulnerability of Simulation Executables, Advanced Simulation Technologies Conference, Orlando Fla., pp, 111-115, 30 Mar. - 3 Apr., 2003.
- Calagaz, L.J., Chatam, J.W., Eoff, B., Hamilton, J.A., Jr., On the Current State of Transport Layer Protocols in Mobile Ad Hoc Networks, 42nd Annual ACM Southeast Conference, Huntsville, Ala., April 2-3, 2004
- Eoff, B., Hunt, A., Hamilton, J.A., Jr, Evans, Gordon. The Theory and Practice of Vulnerability Analysis of Simulation Software, Huntsville Simulation Conference 2004, Huntsville, Ala., October 20-21, 2004

Skills

Languages: Java, C, Perl, SQL, PHP, Scheme

Operating Systems: Linux, MacOS X, Windows 95/98/NT/2000/XP

Applications: MySQL, NS-2

Activities

- Sloan Scholar
- President of Auburn Student Chapter of Association of Computing Machinery (ACM) (2002)
- Member of Second Place Team of Digital Combat Exercise at 2004 Southeastern Software Engineering Conference March 2004, Huntsville, AL.
- Member of Auburn Masters Swimming Team
- Three Year Member of Auburn Water Polo Team
- Vice President of Auburn Water Polo Team (2003)