

**Alexander Hanna**  
ahanna@purdue.edu

Campus Address:  
436 S. Chauncey Avenue, Apt. 9  
West Lafayette, IN 47906  
765-404-6996

Permanent Address:  
6147 Craughwell Lane  
Dublin, OH 43017  
614-336-0836

**Objective**

A technical education through hands-on experience in industry.

**Education**

Purdue University, West Lafayette, Indiana  
Major: Computer Science Honors/Mathematics/Sociology. Minor: Political Science  
Sixth semester. GPA: 3.52/4.00. Graduation expected: May 2008

**Qualification Highlights**

High-energy computer science student with a background in extensive application use and development.  
Java, C/C++, PHP, MySQL, XML, Perl, \*NIX shell scripting  
Windows, Mac OS X, Linux and other \*NIX operating systems

**Computer Development Experience**

Technical Support – Touch Support LLC, West Lafayette, Indiana: January 2006 – Present  
Answered technical support tickets via eSupport  
Developed tools to aid support, such as a chat client and Firefox extensions, in Java  
Java Developer – SEAS Research Laboratory, Purdue Homeland Security Institute: March 2004 – December 2005  
Developed a robust agent-based model for building evacuation using path-finding algorithms and a fire simulation developed by the NIST  
Worked with Purdue Envision Center to prepare simulations for a major event attended by “first-responders”  
Collaborated an implementation of the Gossip algorithm for information propagation  
Created a terrorism database in MySQL and XML with Java webcrawling libraries  
Undergraduate Researcher – Center for Reliability Engineering, University of Maryland: June 2005 – August 2005  
Investigated architecture of web applications, including Apache, Tomcat, and MySQL  
Enhanced logging capabilities of web applications through code modification and modules  
Designed parsing scripts in Perl to interact with a larger HoneyNet interface (ArgusNet)  
Teaching Assistant – Department of Computer Sciences, Purdue University: January 2005 – December 2005  
Instructed and graded a lab sections for technical and non-technical majors in Java  
Wrote labs for teaching course subjects such as data structures, applets, and multimedia objects  
Assisted students in solving programming problems and applying new material

**Publications**

Alok R. Chaturvedi, S. A. Filatyev, J. P. Gore, A. Hanna, J. Means, A. K. Mellema: Integrating Fire, Structure and Agent Models. International Conference on Computational Science (2) 2005: 695-702  
Alex Hanna: Collecting Attack Data in a Multi-Application Web Architecture.  
<http://www.isr.umd.edu/ISR/education/REU/REU-2005/REU2005/presentations/tomcat.doc>

**Activities and Honors**

CS Undergraduate Student Board: April 2004 – Present  
CS Corporate Partners scholarship recipient 2003, 2005  
Mortarboard Leadership Conference invitee 2004 - 2006  
Emily Mauzy Vogel Leadership Conference 2004  
Dean's List: Fall 2005; with Semester Honors: Spring 2004, Spring 2005, Fall 2005  
Purdue Jazz Bands: August 2003 – May 2005