

# Todd M. Deshane

## Contact

Todd Deshane  
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## Education

Doctor of Philosophy in Engineering Science, Clarkson University  
Expected May 2010  
Major in Computer Science  
Minor in Information Technology  
Current GPA: **3.64**

Master of Science in Computer Science, Clarkson University  
Completed December 2004  
Overall GPA: **3.44**

Bachelor of Science in Software Engineering, Clarkson University  
Completed May 2003  
Minor in Mathematics  
Overall GPA: **3.50**

## Awards and Honors

IBM Ph.D. Fellowship 2007-2008 and 2008-2009

- Awarded tuition, fees, and stipend in worldwide competitive program

Miller/Davis Service Award – Spring 2006

- Awarded for outstanding service in the Department of Mathematics and Computer Science

First Place Team in 2005 UNISYS TuxMasters Invitational – August 2005

- Won prizes totaling over \$70,000 and a trip to LinuxWorld in San Francisco, CA

Phalanx Commendable Service Award – Spring 2005

- Awarded for demonstrated quality of service to Applied Computing Labs

## Work Experience

Research Assistant **Clarkson University** - January 2010

- Implemented biometrics statistical algorithms to supplement a biometrics textbook

Consultant **Vantage Learning** - Summer 2008

- Consulted in purchasing decisions for server-class virtualization hardware
- Tested and deployed virtualization software (Xen) for production (Linux+Java) environment

Speed Team Member **IBM Linux Technology Center** - Summer 2006

- Developed rapid prototype virtual data center with IBM hardware
- Presented high-level system overview to various IBM managers and executives
- Presented technical details to IBM software developers

Teaching Assistant **Clarkson University** – Fall 2004 to Spring 2007

- Taught recitations for Operating Systems, Calculus, and Computer Science
- Led lab sessions for Operating Systems and Computer Science
- Held office hours, proctored exams, and graded exams and assignments

Software Developer **Haenel Communication Technologies** - July 2004 to December 2005

- Developed database and application for student management system
- Consulted with server and network configuration problems at client site

Student Director **Clarkson Internet Teaching Laboratory** - Fall 2003 to Spring 2006

- Led research projects such as IPv6, Voice over IP, and Lab Management Team
- Administered web, database, and file servers running various operating systems
- Maintained and deployed the Windows software build on 30 dual booting lab computers

Network Technician **Clarkson Office of Information Technology** - July 1999 to May 2003

- Solved computer and network problems in faculty/staff offices and student dorms
- Ran network cable, configured Cisco switches
- Provided over-the-phone and in-person helpdesk support

## Select Publications

- J. Matthews, E.M. Dow, T. Deshane, W. Hu, J. Bongio, P.F. Wilbur, and B. Johnson. Running Xen: A Hands-on Guide to the Art of Virtualization. Prentice Hall. April 2008.  
<http://runningxen.com>
- J. Matthews, W. Hu, M. Hapuarachchi, T. Deshane, D. Dimatos, G. Hamilton, M. McCabe, and J. Owens. Quantifying the Performance Isolation Properties of Virtualization Systems. Workshop on Experimental Computer Science (ExpCS). June 2007.
- J. Matthews, J. Herne, T. Deshane, P. Jablonski, L. Cherian, and M. McCabe. Data Protection and Rapid Recovery from Attack with a Virtual Private File Server and Virtual Machine Appliances. IASTED International Conference on Communication, Network and Information Security (CNIS 2005). November 2005.
- B. Clark, T. Deshane, E. Dow, S. Evanchik, M. Finlayson, J. Herne, and J. Matthews. Xen and the Art of Repeated Research. USENIX 2004 Annual Technical Conference, FREENIX Track. June 2004.

*For a full list of my publications and presentations, see my CV at <http://todddeshane.net>*

## Professional and Honor Societies

- Ronald E. McNair Scholars Summer Research Program – Summer 2002
- Institute of Electrical and Electronics Engineers (IEEE) – Since Fall 2002
- Eta Kappa Nu (HKN) Electrical Engineering Honor Society – Since Fall 2002
- Association for Computing Machinery (ACM), Clarkson Chapter – Since Fall 2003
- Advanced Computing Systems Association (USENIX) – Since Fall 2003
- Pi Mu Epsilon (PME) Honorary National Mathematics Society – Since Spring 2005