

Richard Alimi

Ph.D. Student
Computer Science Department
Yale University

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Education

- Yale University – New Haven, CT 8/2005 – Present
- Ph.D. Student
 - M.S. in Computer Science (December '06)
- Rensselaer Polytechnic Institute (RPI) – Troy, NY 8/2002 – 5/2005
- B.S. in Computer Science, minors in Mathematics and Economics

Research

- Graduate Student Research – Yale University 9/2006 - Present
- Simplifying network management and preventing configuration errors
 - Improving capacity and efficiency of wireless mesh networks
 - Advisor: Y. Richard Yang
- Undergraduate Research Program - RPI 9/2004 - 5/2005
- Clustering of massive financial datasets
 - Advisor: Petros Drineas
- Undergraduate Research Program - RPI 1/2004 - 5/2005
- Real-time detection and termination of buffer overflow attacks
 - Advisor: Christopher Carothers

Employment

- Internship at IBM – Southbury, CT Summer '04 - Present
- Worked in the WebAhead lab on a cross-platform Client Grid project.
- Internship at The Hartford – Hartford, CT Summer '02, Winter '02-'03, Summer '03, Winter '03-'04
- Worked in Fraud Operations writing software to search and analyze data from various sources.

Publications

Network Management

- *Shadow Configuration as a Network Management Primitive*, R. Alimi, Y. Wang, and Y. R. Yang, In Proceedings of ACM SIGCOMM 2008, Aug. 2008.

Wireless Networking

- *iPack: in-Network Packet Mixing for High Throughput Wireless Mesh Networks*, R. Alimi, L. E. Li, R. Ramjee, H. Viswanathan, and Y. R. Yang, In Proceedings of IEEE INFOCOM 2008, Apr. 2008.
- *Superposition Coding for Wireless Mesh Networks*, L. E. Li, R. Alimi, R. Ramjee, J. Shi, Y. Sun, H. Viswanathan, and Y. R. Yang, In Proceedings of ACM MobiCom (4 pages), Sept. 2007.

Grid Computing

- *Computational Efficiency and Practical Implications for a Client Grid*, N. Zhou and R. Alimi, In Proceedings of High Performance Computing and Communications (HPCC) Conference, 2006, Springer Lecture Notes in Computer Science 4208, pp. 773-782.

Teaching

- Teaching Fellow at Yale University – New Haven, CT
- CPSC323 - Introduction to Systems Programming and Computer Organization (Fall '07)

- CPSC156 - The Internet: Coevolution of Technology and Society (Spring '07)
- CPSC323 - Introduction to Systems Programming and Computer Organization (Fall '06)

Undergraduate Teacher's Assistant at RPI – Troy, NY

- CSCI-1200 - Computer Science II (Spring '03 - Spring '04)

Awards and Achievements

Paul A. McGloin Prize from RPI Computer Science Department (2005)

- Given to an "outstanding senior in computer science"

Graduated summa cum laude from RPI (2005)

Dean's List every semester at RPI

"Outstanding Achievement and Outstanding Student in Independent Research" Award

- Artificial Intelligence Independent Study at Greater Hartford Academy of Math and Science (2002)
- Created a software program that learns to play Checkers intelligently