Andrew B. Rosen

Resume

Postal Address
Andrew B. Rosen
Department of Computer Science
Georgia State University
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Education

Ph.D. in Computer Science, Georgia State University. May 2016 (Expected)
M.S. in Computer Science, Georgia State University. May 2014, 3.89 GPA
B.S. in Computer Science, Georgia Institute of Technology. May 2010, 3.00 GPA
Minor in Music, Georgia Institute of Technology. May 2010

Appointments

2CI Astroinformatics Fellow, Georgia State University, Aug 2012 - Present
Graduate Research Assistant, Georgia State University, Aug 2011 - Present
Graduate Lab Assistant, Georgia State University, May 2011 - 2013

Publications

1. Andrew Rosen, Brendan Benshoof, Robert W. Harrison, Anu G. Bourgeois "MapReduce on a Chord Distributed Hash Table" Presentation ICA CON 2014, Poster at IPDPS 2014 PhD Forum

2. Brendan Benshoof, Andrew Rosen, Anu G. Bourgeois, Robert W. Harrison "VHASH: Spatial DHT based on Voronoi Tessellation" ICA CON 2014

3. Erin-Elizabeth A. Durham, Andrew Rosen, Robert W. Harrison "A Model Architecture for Big Data applications using Relational Databases" 2014 IEEE BigData - C4BD2014 - Workshop on Complexity for Big Data

4. Chinua Umoja, J.T. Torrance, Erin-Elizabeth A. Durham, Andrew Rosen, Dr. Robert Harrison "A Novel Approach to Determine Docking Locations Using Fuzzy Logic and Shape Determination" 2014 IEEE BigData - Poster and Short Paper

5. Erin-Elizabeth A. Durham, Andrew Rosen, Robert W. Harrison "Optimization of Relational Database Usage Involving Big Data" IEEE SSCI 2014 - CIDM 2014 - The IEEE Symposium Series on Computational Intelligence and Data Mining

6. Brendan Benshoof, Andrew Rosen, Anu G. Bourgeois, Robert W. Harrison "A Distributed Greedy Heuristic for Computing Voronoi Tessellations With Applications Towards Peer-to-Peer Network" IEEE IPDPS 2015 - Workshop on Dependable Parallel, Distributed and Network-Centric Systems

7. Chaoyang Li, Andrew Rosen, and Anu G. Bourgeois "A Novel Approach to Efficiently Detect 3D Full-View Coverage for Camera Sensor Networks" Submitted to IPDPS 2016

8. Andrew Rosen, Brendan Benshoof, Robert W. Harrison, Anu G. Bourgeois "UrDHT: A Unified Model for Distributed Hash Tables" Submitted to IPDPS 2016

9. Andrew Rosen, Brendan Benshoof, Robert W. Harrison, Anu G. Bourgeois "The Sybil Attack on Peer-to-Peer Networks From the Attacker's Perspective" In preparation

Service

    Vice Chair, Georgia State University Chapter of the Association for Computing Machinery (ACM), May 2014 - Present

    Treasurer, Georgia State University Chapter of the Association for Computing Machinery (ACM), May 2012 - May 2014

    New Graduate Student Orientation Panelist, Georgia State University, 2014-2015

    Department Representative, Georgia State University Arts and Sciences Technology Fee Committee, 2013 - 2015

External Funding

    TCPP Travel Grant for 28th IEEE International Parallel & Distributed Processing Symposium

Honors and Awards

    Outstanding Graduate Student Teaching Award, Department of Computer Science, Georgia State University, 2014

Employment

    Instructor, Georgia State University, Fall 2011 and 2012 (Data Structures), Spring 2014 (Introduction to Programming), Spring 2015 (System Level Programming)

    Developer, Georgia Tech Sonification Lab, Atlanta, GA May-Dec 2010

    Undergraduate Researcher, Georgia Tech Sonification Lab, Atlanta, GA Fall 2007 -Dec 2009

Programming Skills

    Languages: Python, C, Java.

    Fields: Distributed Hash Tables, Fault Tolerant Networks, Compilers, Simulations, Networking, TCP/IP, Data Mining, HCI

Other

    I compose and remix music in my spare time.

    My Erdös number is 5.

    I have built multiple computers from parts for both personal and professional purposes.

References available upon request.