

Randolph C. Baden

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Research Focus

I am seeking full-time employment related to Secure Distributed Systems, Information Assurance, or Network Measurement.

Education

Ph.D. Computer Science, University of Maryland, 2012

M.S. Computer Science, University of Maryland, 2008

B.S. Computer Science and Mathematics, University of Maryland, 2005, *Cum Laude*

Selected Publications

“Persona: An Online Social Network with User-Defined Privacy,”
Randy Baden, Adam Bender, Neil Spring, Bobby Bhattacharjee, Daniel Starin (SIGCOMM 2009).

“Symbiotic Relationships in Internet Routing Overlays,”
Cristian Lumezanu, Randy Baden, Dave Levin, Neil Spring, Bobby Bhattacharjee (NSDI 2009).

Awards

SIGCOMM 2009 Best Student Paper for “Persona: An Online Social Network with User-Defined Privacy”

2nd Place in the University of Maryland Mobility Contest for “Atmo: The Modern Jukebox”

Employment

Research Assistant 2003–2006
University of Maryland CATT Laboratory College Park, MD
Development of software for reporting and recording automobile accidents and incidents within the DC metropolitan area.

Research Assistant 2006–Present
University of Maryland Computer Science College Park, MD
Research in security, privacy, and distributed systems, including PeerWise, a system that uses network coordinates to find shortcuts in the Internet, and Persona, a distributed and decentralized online social network with user-defined privacy.

Skills and Technologies

Java, Ruby, C, Python, HTML, Javascript, JQuery, Linux, Matlab, Technical Writing, Testbed deployment, Cryptography, IP Geolocation, Network Coordinates, Online Social Networks

Relevant Coursework

Computer Networks, Internet Reverse Engineering, Advanced Topics on Computer Systems, Advanced Storage and File Systems, Randomness and Computation, Error Correcting Codes

References available upon request