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Education

Ph.D. Computer Science, University of Maryland, 2010 (Expected)

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

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

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

Research Experience

Research Assistant 2005–2006
Michael Pack UMD and CATT Laboratory
Development of software for reporting and recording automobile accidents and incidents within the DC metropolitan area.

Research Assistant 2006–Present
Mark Shayman, Richard La, and B. UMD and LTS
Bhattacharjee
Development of new techniques and analysis of existing techniques for Internet host geolocation in Metropolitan Area Networks.

Research Assistant 2006–2007
Bobby Bhattacharjee UMD
Design and implementation of a secure distributed hash table resilient to attacks or failures from a predetermined number of distinct, globally identifiable classes of participants.

Research Assistant 2007
Bobby Bhattacharjee and Neil Spring UMD
Study of the desired system properties of a post-modern Internet architecture, including the mechanisms to achieve such properties.

Research Assistant 2007–Present
Bobby Bhattacharjee and Kobus van der Merwe UMD and AT&T
Implementation of a simple cooperative online game and analysis of a hybrid peer-to-peer and client-server architecture for online games.

Research Assistant 2008–Present
Bobby Bhattacharjee and Neil Spring UMD
Design and development of PeerWise, an Internet routing overlay which exploits triangle inequality violations in Internet latencies and the presence of mutual advantage among participating nodes to achieve lower latencies to a set of destinations.

Papers

“Motivating Participation in Internet Routing Overlays,” with D. Levin, C. Lumezanu, N. Spring, and B. Bhattacharjee (NETECON 2008).

“IP Geolocation in Metropolitan Area Networks” (Scholarly Paper, 2008).