Harlan Yu

Education	***Princeton University*** (September 2004 – Present)

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Princeton University (September 2004 – Present)
Advisor: Prof. Edward W. Felten
M.A. Computer Science, May 2006
Ph.D. Computer Science, in progress
Teaching Assistant:
Information Security (COS 432, Fall 2006); Advanced Programming Techniques (COS 333, Spring 2006); Algorithms and Data Structures (COS 226, Fall 2005)
Selected Courses:
Cryptography; Information Security; Computer Security Foundations; Internet Routing; Theory of Algorithms; Information Technology and the Law; Privacy: Technology and Policy

University of California at Berkeley (2000 – 2004)
B.S. Electrical Engineering and Computer Sciences, May 2004
Honors: California Alumni Association Leadership Scholarship (2000 – 2004)
Selected Courses:
Privacy, Security & Cryptography; Communication Networks; Operating Systems & Systems Programming; Programming Languages & Compilers; Efficient Algorithms & Intractable Problems; Combinatorics & Discrete Probability; Computability & Complexity; Governance of the E-conomy

Experience

Center for Information Technology Policy, Princeton University (September 2004 – Present)
Resesarch Interests:
Information and systems security, applied cryptography, reputation systems.

Google Inc. (May 2006 – August 2006)
Engineering Intern, Applications Security Team, Mountain View, CA

Electronic Frontier Foundation (May 2004 – August 2004)
Technology Intern, San Francisco, CA
Co-authored "Best Practices for Online Service Providers," a policy document that outlines legal issues that OSPs face and suggests technical solutions to limit liability and protect user privacy.

OpenDHT: A Public DHT Service (February 2004 – August 2004)
Research Assistant, Prof. Scott Shenker, UC Berkeley and ISCI, Berkeley, CA
Implemented event-driven multicast over OpenDHT to demonstrate the feasibility of routing-based applications using only the put-get interface in distributed hash tables.

Context-Aware Computing Infrastructure (May 2003 – August 2004)
Research Assistant, Prof. Anind K. Dey, UC Berkeley and Intel Research, Berkeley, CA
Enhanced the interactive context-aware application 'iCap' to support wireless sensor networks.

Berkeley Multimedia Research Center (May 2001 – June 2003)
Research Assistant, Prof. Lawrence A. Rowe, UC Berkeley, Berkeley, CA
Developed the 'Video Explorer' multicast video application and a middleware service for RTPtv.

Custom Computing Research Group (May 2002 – August 2002)
Research Assistant, Dr. Wayne Luk, Imperial College, London, England
Designed a compiler front-end for the 'Pebble' hardware description language for FPGAs.

Publications

H. Yu and E. Felten. A Privacy-Protecting, Double-Vote Identifying Electronic Voting Protocol. In submission, *USENIX Electronic Voting Technology Workshop*, August 2007.

H. Yu, J. Rexford and E. Felten. A Distributed Reputation Approach to Cooperative Internet Routing Protection. In *Proc. Workshop on Secure Network Protocols*, November 2005.

S. Rhea, B. Godfrey, B. Karp, J. Kubiatowicz, S. Ratnasamy, S. Shenker, I. Stoica and H. Yu. OpenDHT: A Public DHT Service and Its Uses. In *Proc. ACM SIGCOMM*, August 2005.

References

Available Upon Request