

Harlan Yu

Education *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)

Research 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